

Curriculum Vitae



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International recognition

Expert Roster of the Joint (FAO/WHO) Expert Committee on Food Additives

Name: A. M. Abd El-Aty

Sex: Male

Date of birth: July 1, 1969

Place of birth: Cairo/Egypt

Nationality: Egyptian

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Employment

January 30, 2018 - to date, Foreign Professor, Department of Medical Pharmacology, Medical Faculty, Ataturk University, Erzurum, **Turkey. H. P. +90-545-334-7667/552-713-1969**

March 1, 2015 – February 28, 2018; Foreign Associate Professor, Department of Veterinary Pharmacology and Toxicology, College of Veterinary Medicine, Konkuk University, **Seoul, Republic of Korea. H. P: 010-5934-0701**

October 4, 2013 – September 30, 2014; Brain Pool Fellow, Biotechnology Research Institute, College of Agriculture and Life Sciences, Chonnam National University, **Gwangju, Republic of Korea, funded by Brain Pool.**

October 1, 2014 – February 28, 2015; Visiting Professor, Biotechnology Research Institute, College of Agriculture and Life Sciences, Chonnam National University, **Gwangju, Republic of Korea, funded by Brain Pool.**

July 29, 2009 – to date (Permanent work); Professor, Department of Pharmacology, Faculty of Veterinary Medicine, Cairo University, 12211, Giza, **Egypt.**

March 1, 2007 – to Feb 28, 2009; Foreign Assistant Professor (Class 8 and 9), Department of Veterinary Pharmacology and Toxicology, College of Veterinary Medicine, Konkuk University, **Seoul, Republic of Korea**

September 11, 2005 – February 28, 2007; Visiting Professor, Natural Products Chemistry Lab., College of Agriculture and Life Sciences, Chonnam National University, **Gwangju, Republic of Korea, funded by KRF**

September 2, 2004- March 30, 2005; Postdoctoral Fellow, Pharmacogenomics Research Center, **Inje University College of Medicine**, 633-165 Gaegum-dong, Jin-Gu, Busan 614-735, **Republic of Korea**

January 1, 2002 – September 28, 2003, Postdoctoral Fellow, Pharmacogenetics Research Institute, Yiang-Ya School of Medicine, Central South University, Hunan, Changsha, **China**.

April 10 – September 28, 2002; Visiting Scholar, Laboratory of Pharmacology, Department of Veterinary Medicine, Faculty of Agriculture, **Tokyo University of Agriculture and Technology**, Saiwai-Cho 3-5-8, Fuchu, Tokyo, 183-0054, **Japan**.

Subject area: Pharmacology & Toxicology – Food Science and Technology

Research interests

Area of Pharmacodynamic/Pharmacokinetics interaction (PD/PK)
Disposition kinetics and Biotransformation (*in vitro* and *in vivo*) studies of drugs
Pharmacogenetics/Pharmacogenomics
Therapeutic drug monitoring

Current interest

Xenobiotic residue analysis in food commodities and animal products
Natural Products Chemistry
Biomedical analysis
Bioactive peptides from agri-food wastes and by-products with their potential health applications towards zero waste products
Starch-based biomaterials and their applications in the food package

Scientific carrier and academic qualifications

Bachelor of Veterinary Medicine (BVM). **May 1991**
Faculty of Veterinary Medicine, Cairo University, Egypt.
Demonstrator at Dept. of Pharmacology from **January 1, 1994, to March 3, 1996**.

Teaching appointments

Master in Basic Pharmacology (MVSc) **March 1996**
Assistant Lecturer of Pharmacology, Faculty of Veterinary Medicine, Cairo University, Egypt, from **March 3, 1996, to July 27, 1999**.

Philosophy Doctor (Ph.D.) **June 1999**
Researcher and Lecturer of Pharmacology, Faculty of Veterinary Medicine, Cairo University, Egypt, from **July 28, 1999 - to July 28, 2004**.

Assistant Professor of Pharmacology, Faculty of Veterinary Medicine, Cairo University, Egypt, from **July 28, 2004 -to July 29, 2009**.

Foreign Research Professor of Veterinary Pharmacology and Toxicology, College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea, from **March 1, 2007 – to Feb 2009**.

Professor of Pharmacology, Faculty of Veterinary Medicine, Cairo University, Egypt, from **July 29, 2009 -to date**.

Teaching Experience

In Egypt

- 1- Teaching general pharmacology and toxicology for undergraduate students at Faculty of Veterinary Medicine, Cairo University.
- 2- Teaching clinical pharmacology for undergraduate students at Cairo University.
- 3- Advanced courses in “Disposition kinetics and biotransformation” of veterinary drugs for Master and PhD students at Cairo University.
- 4- Sharing in seminars, meeting for veterinary practitioners in clinical pharmacology, field use of veterinary drugs in farm animals, Egypt

In Republic of Korea

- 5- Teaching pharmacology for undergraduate students at College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea. An English program towards globalization.
- 6- Teaching toxicology, a basic concept for undergraduate students at the College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea. An English program towards globalization.
- 7- Advanced courses in “Disposition kinetics and biotransformation” of veterinary drugs for Master and PhD students at Konkuk University.

In Turkey

- 8- Teaching Pharmacology and Therapeutics (English program) for undergraduate students at Faculty of Medicine, Ataturk University, Erzurum, Turkey.
- 9- Teaching Essential of Pharmacology (English program) for undergraduate students at College of Nursing, Ataturk University, Erzurum, Turkey.

External examinership

2008: External assessor for Ph.D. dissertation (**Sathya Khay**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **November 2008**.

2009: External assessor for Ph.D. dissertation (**Jeong-Heui Choi**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **November 2009**.

2011: External assessor for Ph.D. dissertation (**Xie Liu**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **May 2011**.

2013: External assessor for Ph.D. dissertation (**Lina Hem, Jong-Hyouk Park, Md Musfiqur Rahman**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **May 2013**.

2013: External assessor for Master thesis (**Jin Jang, Ah-Young Ko, and Sang Im Park**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **November 2013**.

2014: Committee Chairman for Master thesis (**Dae Seok Choi**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **June 2014**.

2015: Committee Chairman for Master thesis (**So Jeong Im**) and a member of Ph.D. dissertation (**Sung-Woo Kim**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **November 11, 2015**.

2015: A member of Ph.D. dissertation (**Jin-A Park**) committee, College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea, **Oct 2015**.

2017: A member of Ph.D. dissertation (**Dan Zhang**) committee, College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea, **April 19, 2017**.

2017: Committee Chairman for Master thesis (**Yool-Ah Kim**) and a member of Ph.D. dissertation (**Waziha Farha**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **May 25/June 5, 2017**.

2017: A member of Master thesis (**Sang-Hyun Cho**) committee, College of Veterinary Medicine, Konkuk University, Seoul, Republic of Korea, **October 18, 2017**.

2017: A member of Master thesis (**Han Sol Lee and Hyung Suk Chung**) committee and a member of Ph.D. dissertation (**Md. Humayun Kabir**), College of Agriculture and Life Sciences, Chonnam National University, Republic of Korea, **Nov 22/14, 2017**

Reference persons for contact

1- Prof. Dr. Frantisek Svec, EIC – Journal of Separation Science
Charles University, Faculty of Pharmacy, Department of Analytical Chemistry, Akademika Heyrovského 1203, 50005 Hradec Kralove, Czech Republic.
E-mail: svecfr@faf.cuni.cz; fsvec@lbl.gov

2- Prof. Dr. Undurti N Das, MD, DSc, FAMS, FRSC, EIC-Current Pathobiology Reports - CEO and CSO UND Life Sciences, 2221 NW 5th St, Battle Ground, WA 98604, USA. E-mail address: undurti@hotmail.com

3- Prof. Dr. Jae-Gook Shin, MD, Ph.D., Professor of Pharmacology, Director of PharmacoGenomics Research Center, Inje University College of Medicine, 633-165 Gaegum-dong, Jin-Gu, Busan 614-735, Republic of Korea. Tel: + 82 51 890 6709, Fax: + 82 51 893 1232, Email: phshinjg@inje.ac.kr

4- Prof. Dr. Jae-Han Shim, Ph.D., Rector, Natural Products Chemistry Laboratory, Institute of Agricultural Science and Technology, College of Agriculture and Life Sciences, Chonnam National University, 300 Yong-Bong Dong, Buk-Ku, Gwangju 500-757, Republic of Korea. Tel: +82-62-530-2135, Fax: +82-62-530-0219, E-mail: jhshim@jnu.ac.kr

5- Dr. Ho-Chul Shin, VMD, Ph.D., Department of Veterinary Pharmacology and Toxicology, College of Veterinary Medicine, Konkuk University, 1 Hwayang-dong, Kwangjin-gu, Seoul 143-701, Republic of Korea. Tel.: +82-2-450-4056; fax: +82-2-444-4396; E-mail: hshin@konkuk.ac.kr

6- Prof. Dr. Carlos Lanusse, laboratory of Pharmacology, Facultad de Ciencias Veterinarias, Universidad Nacional del Centro Tandil, Argentina. Fax: +54 2293 422357, Email: clanusse@vet.unicen.edu.ar

7- Prof. Dr. Hong-Hao Zhou, Rector of Pharmacogenetics Research Institute, Box 445, Xiang-Ya School of Medicine, Central South University, Changsha, Hunan, China. Fax: + 86 480 5379, Email: h Zhou@public.cs.hn.cn

Conferences and special mentions

- 1- Registration fees grant given by Schering-Plough (Egypt, Gulf, and Levant) to attend the 7th International Conference on Goats, France, May 2000.
- 2- Pfizer Animal Health (Egypt) granted the registration fees grant to attend the xxi World Buiatrics Congress, Punta del Este, Uruguay, **December 2000**.
- 3- Registration fees grant given by Schering-Plough (Egypt, Gulf, and Levant) to attend the Second International Scientific Conference in Cooperation with University of Rome, Tor Vergata, Mansoura, **8-9 April 2001**.
- 4- Pfizer Animal Health (Egypt) granted the registration fees grant to attend the 12th International Congress of the World Veterinary Association, Cairo, Egypt, **17-21 September 2001**.
- 5- Attend conference No134 of Japanese Society of Veterinary Science, Gifu, Japan, **19 – 21 September 2002**. Laboratory of Pharmacology, Department of veterinary medicine, Faculty of Agriculture, Tokyo University of Agriculture and Technology, Fuchu, Japan, financially supported the participation.
- 6- Attend the 4th Conference of APEC Network on Pharmaceutical Science, Seoul, South Korea, **22-23 November 2004**. PharmacoGenomics Research Center, Inje University College of Medicine, Busan, Republic of Korea, financially supported the participation.
- 7- Attend the 6th workshop on Clinical Trial, Seoul National University Hospital, Seoul, Korea, **22-23 December 2004**. PharmacoGenomics Research Center, Inje University College of Medicine, Busan, Republic of Korea, financially supported the participation.
- 8- Attend the 2nd International Symposium on Pharmacogenomics: A step Toward Personalized Medicine, Seoul National University Hospital, Seoul, Republic of Korea, **18 March 2005**. PharmacoGenomics Research Center, Inje University College of Medicine, financially supported the participation.

- 9- Attend the 3rd International Symposium on Pharmacogenomics: A step Toward Personalized Medicine, Paik Hospital, Busan, Republic of Korea, **17 February 2006**. PharmacoGenomics Research Center, Inje University College of Medicine, financially supported the participation.
- 10- Attend the 89th International Symposium of the Korean Society for Applied Biological Chemistry, College of Agriculture and Life Sciences, Chonnam National University, Gwangju, Republic of Korea, **April 21, 2006**. Natural Products Chemistry Laboratory, Institute of Agricultural Science and Technology, Chonnam National University, financially supported the participation.
- 11- Attend 11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, **August 6-11, 2006**. Natural Products Chemistry Laboratory, Institute of Agricultural Science and Technology, Chonnam National University, financially supported the participation.
- 12- Attend the 2007 International Symposium of Preventive Medicine “Preventive and Control of Antimicrobial Resistance and Zoonoses,” Seoul Trade Exhibition and Convention (SETEC), Seoul, Republic of Korea, **April 20, 2007**. Department of Veterinary Pharmacology and Toxicology, College of Veterinary Medicine, Konkuk University, 1 Hwayang-dong. Kwangjin-gu, Seoul 143-701, Republic of Korea, financially supported the participation.
- 13- Attend the 2007 Conference of the Korean Society of Veterinary Science, Chunsheon, Republic of Korea, **November 15-16, 2007**. Department of Veterinary Pharmacology and Toxicology, College of Veterinary Medicine, Konkuk University, 1 Hwayang-dong. Kwangjin-gu, Seoul 143-701, Republic of Korea, financially supported the participation.
- 14- Attend the 2nd World Conference in Magic Bullets (Ehrlich II), Nürnberg, Germany, **October 3-5, 2008**. Konkuk University, 1 Hwayang-dong. Kwangjin-gu, Seoul 143-701, Republic of Korea, financially supported the participation.
- 15- Attend the 52nd Anniversary International Symposium of the Korean Society of Veterinary Science, Kimdaejung convention center, Gwangju, **September 25-26, 2008**.
- 16- Attend the I International Conference on Antimicrobial Research (ICAR2010), Valladolid (Spain), **3– 5 November 2010**
- 17- Attend the 25th National Chemistry Congress with International Participation, Erzurum (Turkey), **June 27-July 2, 2011**
- 18- Attend the 1st International Congress on Medical Writing, Dubai (UAE), **19-21 February 2013**
- 19- Attend the 2013 International Conference on Life Science & Biological Engineering, Tokyo (Japan), **March 15-17, 2013**
- 20- Attend the Global Conferences on Environmental Studies, Antalya, Turkey, **April 24-27, 2013**.

- 21- Attend the 2014 1st International Symposium on “Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture,” College of Agriculture and Life Sciences, Gwangju, Republic of Korea, **November 6, 2014.**
- 22- Attend the 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, **August 9-14, 2015**
- 23- Attend the 2015 2nd International Symposium on “Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture,” College of Agriculture and Life Sciences, Gwangju, Republic of Korea, **October 8, 2015.**
- 24- Attend the Elsevier Editors’ Conferences, Hilton Hotel, Beijing, China, **October 23-24, 2015.**
- 25- Attend the 6th International Chemistry Conference, King Saud University, Riyadh, Saudi Arabia, **November 8-10, 2016.**
- 26- Attend the 19th Congress of Parenteral and Enteral Nutrition Society of Asia (PENSA 2018), Grand Walkerhill Hotel Seoul, Republic of Korea, **June 13 - 16, 2018.** Ataturk University financially supported the participation
- 27- Attend the 2018 International Conference on Agricultural and Food Science (ICAFS2018), Nibbon Hotel, Istanbul, Turkey, **October 28-30, 2018.**
- 28- Attend the International İVEK BIO 2018 Congress, Ottoman Archives Conventional Center, Istanbul, Turkey, **26-28 November 2018.** Financially supported by the congress.
- 29- Attend The 12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, **June 26-29, 2018.** Financially supported by the congress.

Awards

- 1- Award of Cairo University for the best Scientists in Basic Sciences, 2009.
- 2- National Incentive Reward for Biotechnology and Agricultural Sciences in 2011. This reward is granted yearly for the distinguished university staff members and scientists in their field of research.
- 3- Publication award from Misr El-Khair Foundation, 2011.
- 4- Publications award from Cairo University from 2008 – to date.

Fellowship and visiting

- 1- Visiting Fellow (September 6 –October 25, 1999), laboratory of pharmacology, Facultad de Ciencias Veterinarias, Universidad Nacional del Centro, Tandil, Argentina.

- 2- Short-term visiting (July 18 – August 4, 2006), Laboratory of Pharmacology, Department of Veterinary Medicine, Faculty of Agriculture, Tokyo University of Agriculture and Technology, Saiwai-Cho 3-5-8, Fuchu, Tokyo, 183-0054, Japan.
- 3- Short-term visiting (June 30- July 27, 2008), Laboratory of Pharmacology, Department of Veterinary Medicine, Faculty of Agriculture, Tokyo University of Agriculture and Technology, Saiwai-Cho 3-5-8, Fuchu, Tokyo, 183-0054, Japan.
- 4- Short-term visiting (Feb 5 –Feb 26, 2010), Department of Chemistry, College of Natural Sciences, Gyeongsang National University, Jinju, Republic of Korea.
- 5- Short-term visiting (June 25 till July 26, 2010), Natural Products Chemistry Lab., College of Agriculture and Life Sciences, Chonnam National University, Gwangju, Republic of Korea.
- 6- Short-term visiting (July 7 through July 14, 2011), Institute of Organic Chemistry and Biochemistry Academy of Sciences of the Czech Republic, Prague, Czech Republic.
- 7- Short-term visiting (Jan 11 till Feb 2, 2013), Natural Products Chemistry Lab., College of Agriculture and Life Sciences, Chonnam National University, Gwangju, Republic of Korea.
- 8- Short-term visiting (March 18-22, 2013), Laboratory of Pharmacology, Department of Veterinary Medicine, Faculty of Agriculture, Tokyo University of Agriculture and Technology, Saiwai-Cho 3-5-8, Fuchu, Tokyo, 183-0054, Japan.

Education history

- 1- **Abd El-Aty, A. M.** (1996). Some pharmacokinetic aspects of ceftiofur sodium in lactating goats. **Master of Veterinary Science, Faculty of Veterinary Medicine, Cairo University, Egypt.**
- 2- **Abd El-Aty, A. M.** (1999). Effect of some anthelmintics on the pharmacokinetic aspects of certain antibacterials in goats. **PhD, Faculty of Veterinary Medicine, Cairo University, Egypt.**

Publications

2000

- 1- Atef M, El-Gendi AY, Aziza MM Amer, **Abd El-Aty AM.** Pharmacokinetic properties of florfenicol in Egyptian Goats. **Deutsche Tier ärztliche Wochenschrift 2000 April; 107 (4): 133-137. pISSN: 0341-6593. (Corresponding author)**
<http://www.ncbi.nlm.nih.gov/pubmed/10829565>

2001

2- **Abd El-Aty AM**, Goudah A, Abo El-Sooud K. Pharmacokinetics, intramuscular bioavailability and tissue residue profiles of ceftazidime in a rabbit model. **Deutsche Tierärztliche Wochenschrift** 2001 April; **108**, (4): 168-171 (**First and Corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/11370478>

3- Atef M, El-Gendi AY, Aziza MM Amer, **Abd El-Aty AM**. Disposition kinetics of florfenicol in goats by using two analytical methods. **Journal of Veterinary Medicine Series A** 2001 April; **48** (3): 129-136 (**Corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/11379386>

4- Atef M, El-Gendi AY, Aziza MM Amer, **Abd El-Aty AM**. Some pharmacokinetic data of danofloxacin in healthy goats. **Veterinary Research Communication** 2001 July; **25** (5): 367-377 (**Corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/11469508>

5- **Abd El-Aty AM**, Abo El-Sooud K, Goudah A. Pharmacodisposition of thiamphenicol in rabbits. **Deutsche Tierärztliche Wochenschrift** 2001 September; **108** (9): 393-396 (**First and Corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/11599443>

6- Fatma A. Moharram and **A. M. Abd El-Aty**. Phytochemical and biological investigation of *Tecoma Capensis* leaves. **Al-Azhar Journal of Pharmaceutical Science** 2001 December; **28**: 244-257 (**Co-author**).

2002

7- Atef M, El-Banna HA, **Abd El-Aty AM**, Goudah A. Pharmacokinetics of difloxacin in goats. **Deutsche Tierärztliche Wochenschrift** 2002 July; **109** (7): 320 – 323 (**Co-author**).

<http://www.ncbi.nlm.nih.gov/pubmed/12161971>

8- Ashraf M. Morgan, Ahmed H. Osman and **Abd El-Aty M. Abd El-Aty**. Effects of Fennel and Thyme extracts on CCL₄ induced hepatotoxicity in rats. **Journal of the Egyptian Society of Toxicology** 2002 July; **27**: 1-9 (**Co-author**).

9- **Abd El-Aty Mostafa**, Ayman Goudah, Mohamed Ismail and Hong-Hao Zhou. Single dose pharmacokinetics of difloxacin in rabbits. **Asian Journal of Drug Metabolism and Pharmacokinetics** 2002 September; **2** (3): 191-196 (**First author**).

10- **Abd El-Aty AM**, Goudah A. Some pharmacokinetic parameters of pefloxacin in lactating goats. **Veterinary Research Communication** 2002 October; **26** (7): 553 – 561 (**First and Corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/12416870>

2003

11- Peng WX, Wang LS, Li HD, **Abd El-Aty AM**, Chen GL, Zhou HH. Evidence for the involvement of human liver microsomes CYP1A2 in the mono-hydroxylation of daidzein.

Clinica Chimica Acta 2003 August; 334 (1-2): 77-85 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/12867277>

12- Zhou Hong-Hao, **Abd El-Aty Mostafa**, Li Qing, Zhang Jing. Pharmacogenetics and Pharmacogenomics: new era of personalized gene-directed drug therapy. **Proceedings of 2003 Symposium of China Postdoctors and Academicians of life Science, PP: 1-9.**

2004

13- Wang LS, Zhou G, Zhu B, Wu J, Wang JG, **Abd El-Aty AM**, Li T, Liu J, Yang TL, Wang D, Zhong XY, Zhou HH. St. John's wort induces the CYP3A4 catalyzed sulfoxidation and CYP2C19 dependent hydroxylation of omeprazole. **Clinical Pharmacology and Therapeutics 2004 March; 75 (3): 191-197 (Co-author).**

<http://www.ncbi.nlm.nih.gov/pubmed/15001970>

14- Goudah A, Abo El-Sooud K, **Abd El-Aty AM**. Pharmacokinetics and tissue residue profiles of erythromycin in broiler chickens after different routes of administrations. **Deutsche Tier ärztliche Wochenschrift 2004 April;111 (4): 162-165 (Co-author).**

<http://www.ncbi.nlm.nih.gov/pubmed/15171602>

15- **Abd El-Aty AM**, Goudah A, Zhou HH. Pharmacokinetics of doxycycline after administration as a single intravenous bolus and intramuscular doses to non-lactating Egyptian goats. **Pharmacological Research 2004 May; 49 (5): 487-491 (First and corresponding author)**

<http://www.ncbi.nlm.nih.gov/pubmed/14998560>

16- Wang LS, Zhu B, **Abd El-Aty AM**, Zhou G, Li Z, Wu J, Chen GL, Liu J, Tang ZR, An W, Li Q, Wang D, Zhou HH. The Influence of St. John's Wort on CYP2C19 Activity with Respect to Genotype. **Journal of Clinical Pharmacology 2004 June; 44 (6): 577-581 (Co-Author)**

<http://www.ncbi.nlm.nih.gov/pubmed/15145964>

17- **Abd El-Aty AM**, Goudah A, Abo El-Sooud K, El-Zorba HY, Shimoda M, Zhou HH. Pharmacokinetics and bioavailability of florfenicol following intravenous, intramuscular and oral administration in rabbits. **Veterinary Research Communication 2004, 28 August; (6): 515-524 (First and corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/15509025>

18- Abo El-Sooud K, Goudah A, **Abd El-Aty AM**. Lack of pharmacokinetic interaction between lincomycin and aspirin in healthy goats. **Journal of Veterinary Pharmacology and Therapeutics 2004 October; 27 (5): 389 – 392 (Co-author).**

<http://www.ncbi.nlm.nih.gov/pubmed/15500581>

2005

19- **Abd El-Aty AM**, Goudah A, Ismail M, Shimoda M. Disposition kinetics of difloxacin in rabbit after intravenous and intramuscular injection of Dicural. **Veterinary Research Communication 2005 June; 29 (4): 297-304 (First and corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/15751581>

20- Luo CH, Wang A, Zhu RH, Zhang WX, Mo W, Yu BN, Chen GL, Ou-Yang DS, Duan XH, [Abd El-Aty AM](#), Zhou HH. Gender specific association of CYP2C9*3 with hyperlipidemia in Chinese. **British Journal of Clinical Pharmacology** 2005 December; **60** (6): 629-631 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/16305587>

21- Regmi NL, [Abd El-Aty AM](#), Kuroha M, Nakamura M, Shimoda M. Inhibitory effect of several fluoroquinolones on hepatic microsomal cytochrome P- 450 1A activities in dogs. **Journal of Veterinary Pharmacology and Therapeutics** 2005 December; **28** (6): 553-557 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/16343288>

2006

22- Kim MR, [Abd El-Aty AM](#), Kim IS, Shim JH. Determination of volatile flavor components in danggui cultivars by solvent free injection and hydrodistillation followed by gas chromatographic-mass spectrometric analysis. **Journal of Chromatography A** 2006, **26** May, **1116** (1-2): 259-264 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/16620859>

23- Park JW, [Abd El-Aty AM](#), Lee MH, Song SO, Shim JH. Residue Analysis of Organophosphorus and Organochlorine Pesticides in Fatty Matrices by Gas Chromatograph Coupled with Electron-Capture Detector. **Zeitschrift für Naturforschung** 2006 May-June; **61 c** (5-6): 341-346 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/16869490>

24- Goudah A, Mouneir SM, Shim JH, [Abd El-Aty AM](#). Influence of endotoxin induced fever on the pharmacokinetics of intramuscularly administered cefepime in rabbits. **Journal of Veterinary Science** 2006 June; **7** (2): 151-155 (Corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/16645340>

25- Sathya Khay, [A. M. Abd El-Aty](#), Kye-Taek Lim and Jae-Han Shim. Residues of Diazinon in Growing Chinese cabbage: A study Under Greenhouse Conditions. **Korean Journal of Environmental Agriculture** 2006 June; **25** (2): 174-179 (Co-author).

26- Goudah A, Shin HC, Shim JH, [Abd El-Aty AM](#). Characterization of the relationship between serum and milk residue disposition of ceftriaxone in lactating ewes. **Journal of Veterinary Pharmacology and Therapeutics** 2006 August; **29** (4): 307-312. (Corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/16846468>

27- Regmi NL, [Abd El-Aty AM](#), Kubota R, Tomita A, Shimoda M. Effect of ofloxacin on theophylline pharmacokinetics at clinical dosage in dogs. **Journal of Veterinary Pharmacology and Therapeutics** 2006 October; **29** (5): 403-408. (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/16958785>

28- Sathya khay, [A. M. Abd El-Aty](#), Myeong-Seok kim, Jae-Han Shim. Residual Status and Dissipation Pattern of Metalaxyl in Chinese Cabbages (*Brassica campestris*) Grown under

Greenhouse Conditions. **Horticulture, Environment, and Biotechnology** 2006 October; 47 (5): 231-236 (Co-author).

29- Khay S, [Abd El-Aty AM](#), Choi JH, Choi JT, Lim KT, Shim JH. Methomyl Residues on Chinese Cabbage Grown Under Greenhouse Conditions. **Bulletin of Environmental Contamination and Toxicology** 2006 October; 77 (4): 516-520 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/17123010>

30- Kim MR, [Abd El-Aty AM](#), Choi JH, Lee KB, Shim JH. Identification of volatile components in the Angelica species using supercritical-CO₂ fluid extraction and solid phase microextraction coupled to gas chromatography-mass spectrometry. **Biomedical Chromatography** 2006 November; 20(11): 1267-1273 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/16883548>

31- Choi JH, [Abd El-Aty AM](#), Shen JY, Kim MR, Shim JH. Analysis of fluoroquinolone residues in edible chicken tissues using supercritical fluid extraction. **Berliner und Münchener Tierärztliche Wochenschrift** 2006 Nov-Dec; 119 (11-12): 456-460 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/17172132>

2007

32- Park YS, [Abd El-Aty AM](#), Choi JH, Cho SK, Shin DH, Shim JH. Pesticide multiresidue analysis in *Panax ginseng* (C. A. Meyer) by solid phase extraction and gas chromatography with electron capture and nitrogen-phosphorus detection. **Biomedical Chromatography** 2007 January; 21 (1): 29-39 (Equally contributed first author).
<http://www.ncbi.nlm.nih.gov/pubmed/17120302>

33- [Abd El-Aty AM](#), Goudah A, Mouneir SM, Sunwoo YE, Jang JH, Shin JG, Shim JH, Shimoda M. Acute phase response alters the disposition kinetics of cefepime following intravenous injection to rabbits. **Veterinary Research Communications** 2007 January; 31 (1): 67-75 (First and corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/17186405>

34- Regmi NL, [Abd El-Aty AM](#), Kubota R, Shah SS, Shimoda M. Lack of inhibitory effects of several fluoroquinolones on cytochrome P-450 3 activities at clinical dosage in dogs. **Journal of Veterinary Pharmacology and Therapeutics** 2007 February; 30 (1): 37-43 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/17217399>

35- Jeong-Heui Choi, [A. M. Abd El-Aty](#), Young-Seok Park, Soon-Kil Cho, and Jae-Han Shim. The Assessment of Carbendazim, Cyazofamid, Diethofencarb and Pyrimethanil Residue Levels in *P. ginseng* (C. A. Meyer) by HPLC. **Bulletin of the Korean Chemical Society** 2007 March; 28 (3): 369-372 (Equally contributed first author).

36- Cho SK, [Abd El-Aty AM](#), Park YS, Choi JH, Khay S, Kang CA, Park BJ, Kim SJ, Shim JH. A multiresidue method for the analysis of pesticide residues in polished rice (*Oryza sativa* L.) using accelerated solvent extraction and gas chromatography and confirmation by

mass spectrometry. **Biomedical Chromatography** 2007 June; 21 (6): 602-609 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17385804>

37- **Abd El-Aty AM**, Choi JH, Park JH, Shim JH. An evaluation of the effect of repeated doses of oral activated charcoal on the depletion of enrofloxacin residual levels in chicken breast muscles. **Berliner Und Münchener Tier ärztliche Wochenschrift** 2007 May-June; 120 (5-6): 210-214 (First author).

<http://www.ncbi.nlm.nih.gov/pubmed/17555041>

38- Goudah A, **Abd El-Aty AM**, Regmi NL, Shin HC, Shimoda M, Shim JH. Single-dose pharmacokinetics of marbofloxacin in Egyptian Buffalo (*Bubalus bubalis* L.) steers. **Berliner Und Münchener Tier ärztliche Wochenschrift** 2007 May-June; 120 (5-6): 215-220 (Equally contributed first author and corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/17555042>

39- Bo-Mee Kim, **A. M. Abd El-Aty**, Tay-Eak Hwang, Li-Tai Jin, Young-Sig Kim, Jae-Han Shim. Development of an Acetylcholinesterase Detection Kit for the Determination of Organophosphorus and Carbamate Residues in Agricultural Samples. **Bulletin of the Korean Chemical Society** 2007 June; 28 (6): 929-935 (Equally contributed first author).

40- Shim JH, **Abd El-Aty AM**, Choi JH, Choi YS. Post-harvest HPLC determination of chlorfluazuron residues in pears treated with different programs. **Biomedical Chromatography** 2007 July; 21 (7): 695-700 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17428007>

41- Jeon HR, **Abd El-Aty AM**, Cho SK, Choi JH, Kim KY, Park RD, Shim JH. Multiresidue analysis of four pesticide residues in Water Dropwort (*Oenanthe javanica*) via pressurized liquid extraction, supercritical fluid extraction, and liquid-liquid extraction and gas chromatographic determination. **Journal of Separation Science** 2007 August; 30 (12): 1953-1963 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17638354>

42- Cho SK, **Abd El-Aty AM**, Choi JH, Kim MR, Shim JH. Optimized conditions for the extraction of secondary volatile metabolites in Angelica roots by accelerated solvent extraction. **Journal of Pharmaceutical and Biomedical Analysis** 2007 September 3; 44 (5): 1154-1158 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17446029>

43- Kim HR, Park SW, Cho HJ, Chae KA, Sung JM, Kim JS, Landowski CP, Sun D, **Abd El-Aty AM**, Amidon GL, Shin HC. Comparative gene expression profiles of intestinal transporters in mice, rats and humans. **Pharmacological Research** 2007 September; 56 (3): 224-236 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/17681807>

44- Kim IK, **Abd El-Aty AM**, Shin HC, Lee HB, Kim IS, Shim JH. Analysis of volatile compounds in fresh healthy and diseased peppers (*Capsicum annuum* L.) using solvent free solid injection coupled with gas chromatography-flame ionization detector and confirmation

with mass spectrometry. **Journal of Pharmaceutical and Biomedical Analysis** 2007 November 5; 45(3): 487-494 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17766077>

45- Seo DC, Sung JM, Cho HJ, Yi H, Seo KH, Choi IS, Kim DK, Kim JS, **Abd El-Aty AM**, Shin HC. Gene expression profiling of cancer stem cell in human lung adenocarcinoma A549 cells. **Molecular Cancer** 2007 November 22; 6(1):75 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/18034892>

46- Shim JH, **Abd El-Aty AM**, Choi JH, Kang CA. Determination of field-incurred pyrimethanil residues in persimmon (*Diospyros kaki* Linn) by liquid chromatography. **Biomedical Chromatography** 2007 December; 21 (12): 1279-1283 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17642069>

47- Goudah A, Sher Shah S, Shin HC, Shim JH, **Abd El-Aty AM**. Pharmacokinetics and mammary residual depletion of erythromycin in healthy lactating ewes. **Journal of Veterinary Medicine Series A** 2007 December; 54 (10): 607-611 (Equally contributed first author and corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/18045347>

48- **Abd El-Aty AM**, Goudah A, Shah SS, Shin HC, Shimoda M, Shim JH. Pharmacokinetic variables of moxifloxacin in healthy male camels following intravenous and intramuscular administration. **Journal of Veterinary Pharmacology and Therapeutics** 2007 December; 30 (6): 586–591 (First author and corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/17991229>

2008

49- Cho HJ, **Abd El-Aty AM**, Goudah A, Sung GM, Yi H, Seo DC, Kim JS, Shim JH, Jeong JY, Lee SH, Shin HC. Monitoring of fluoroquinolone residual levels in chicken eggs by microbiological assay and confirmation by liquid chromatography. **Biomedical Chromatography** 2008 January; 22 (1): 92-99 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17705139>

50- Pyun CW, **Abd El-Aty AM**, Hashim MMM, Shim JH, Lee SK, Choi KD, Park KH, Shin HC, Lee C. Monitoring of streptomycin and dihydrostreptomycin residual levels in porcine meat press juice and muscle via solid-phase fluorescence immunoassay and confirmatory analysis by liquid chromatography after post-column derivatization. **Biomedical Chromatography** 2008 March; 22 (3): 254-259 (Equally contributed first author).

<http://www.ncbi.nlm.nih.gov/pubmed/17939174>

51- **Abd El-Aty AM**, Lee GW, Mamun MIR, Choi JH, Cho SK, Shin HC, Shim JH. Development and validation of a method for the analysis of cafenstrole and its metabolite in brown rice grains and rice straw using high performance liquid Chromatography. **Biomedical Chromatography** 2008 March; 22 (3): 306-315 (First author)

<http://www.ncbi.nlm.nih.gov/pubmed/18059057>

- 52- Chee JH, Kwon JK, Cho HS, Cho KO, Lee YJ, **Abd El-Aty AM**, Shin SS. A survey of ectoparasite infestations in stray dogs of Gwang-ju City, Republic of Korea. Republic of Korea. **Korean Journal of Parasitology** 2008 March; 46 (1): 23-27 **(Co-author)**.
<http://www.ncbi.nlm.nih.gov/pubmed/18344673>
- 53- Khay S, **Abd El-Aty AM**, Choi JH, Shim JH. Analysis of residual Triflumizole, an Imidazole Fungicide, in Apples, Pears and Cucumbers Using High Performance Liquid Chromatography. **Toxicological Research** 2008 March; 24 (1): 87-91 **(Equally contributed first author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/32038781>
- 54- **Abd El-Aty AM**, Kim IK, Kim MR, Lee C, Shim JH. Determination of volatile organic compounds generated from fresh, white, and red *Panax ginseng* (C. A. Meyer) using a direct sample injection technique. **Biomedical Chromatography** 2008 May; 22 (5): 556-562 **(First and co-corresponding author)**.
<http://www.ncbi.nlm.nih.gov/pubmed/18205137>
- 55- Sung JM, Cho HJ, Yi H, Lee CH, Kim HS, Kim DK, **Abd El-Aty AM**, Kim JS, Landowski CP, Hediger MA, Shin HC. Characterization of a stem cell population in lung cancer A549 cells. **Biochemical and Biophysical Research Communications** 2008 June 20; 371 (1): 163-167 **(Co-author)**.
<http://www.ncbi.nlm.nih.gov/pubmed/18423378>
- 56- Khay S, **Abd El-Aty AM**, Cho SK, Choi JH, Mamun MI, Goudah A, Shin HC, Shim JH. Development of extraction procedures for the determination of imidacloprid: application to residue analysis and dynamics of two formulations in Chinese cabbage. **Biomedical Chromatography** 2008 June; 22 (6): 581-589 **(Equally contributed first author and co-corresponding author)**.
<http://www.ncbi.nlm.nih.gov/pubmed/18205138>
- 57- Morgan AM, **Abd El-Aty AM**. Reproductive Toxicity Evaluation of Pestban Insecticide Exposure in Male and Female Rats. **Toxicological Research** 2008 June; 24 (2): 137-150 **(Corresponding author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/32038788>
- 58- Cho SK, **Abd El-Aty AM**, Choi JH, Jeong YM, Shin HC, Chang BJ, Lee CH, Shim JH. Effectiveness of pressurized liquid extraction and solvent extraction for the simultaneous quantification of 14 pesticide residues in green tea using GC. **Journal of Separation Science** 2008 June; 31 (10): 1750-1760 **(Equally contributed first author and co-corresponding author)**.
<http://www.ncbi.nlm.nih.gov/pubmed/18481329>
- 59- Cho SK, **Abd El-Aty AM**, Jeon HR, Choi JH, Shin HC, Shim JH. Comparison of different extraction methods for the simultaneous determination of pesticide residues in kiwifruit using gas chromatography-mass spectrometry. **Biomedical Chromatography** 2008 July; 22 (7): 727-735 **(Equally contributed first author)**.
<http://www.ncbi.nlm.nih.gov/pubmed/18314920>
- 60- Choi JH, Mamun MIR, Shin EH, Kim HK, **Abd El-Aty AM**, Shim JH. Determination of methoxyfenozide residues in water and soil by liquid chromatography: Evaluation of its

environmental fate under laboratory conditions. **Toxicological Research** 2008 September, 24 (3): 207-212 (Co-author).

<https://www.ncbi.nlm.nih.gov/pubmed/32038797>

61- Goudah A, Abo El-Sooud K, Shim JH, Shin HC, **Abd El-Aty AM**. Characterization of the pharmacokinetic disposition of levofloxacin in stallions after intravenous and intramuscular administration. **Journal of Veterinary Pharmacology and Therapeutics** 2008 October; 31 (5): 399-405 (Equally contributed first author and corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/19000258>

62- Khay S, Choi JH, **Abd El-Aty AM**, Mamun MI, Park BJ, Goudah A, Shin HC, Shim JH. Dissipation Behavior of Lufenuron, Benzoylphenylurea Insecticide, in/on Chinese Cabbage Applied by Foliar Spraying Under Greenhouse Conditions **Bulletin of Environmental Contamination and Toxicology** 2008 October; 81 (4): 369-372 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/18592122>

63- Kim YM, Choi YJ, Kim SH, **Abd El-Aty AM**, Kim BJ, Hwang SH, Lee SM. Response to a combined treatment program with clomipramine, behavioral, and environmental management of compulsive tail chasing in a German Shepherd. **Berliner Und Münchener Tier ärztliche Wochenschrift** 2008 Sep-Oct; 121(9-10):329-33 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/18822603>

64- **Abd El-Aty AM**, Shah SS, Kim BM, Choi JH, Cho HJ, Hee-Yi, Chang BJ, Shin HC, Lee KB, Shimoda M, Shim JH. *In vitro* inhibitory potential of decursin and decursinol angelate on the catalytic activity of cytochrome P-450 1A1/2, 2D15, and 3A12 isoforms in canine hepatic microsomes. **Archives of Pharmacal Research** 2008 November; 31 (11): 1425-1435. (First author).

<http://www.ncbi.nlm.nih.gov/pubmed/19023539>

65- Liu X, **Abd El-Aty AM**, Choi JH, Khay S, Mamun MI, Jeon HR, Lee SH, Chang BJ, Lee CH, Shin HC, Shim JH. Analytical procedure to simultaneously measure trace amounts of trenbolone acetate and β -trenbolone residues in porcine muscle using HPLC-UVD and MS. **Journal of Separation Science** 2008 December 31(22):3847-3856 (Equally contributed first author and co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/18985668>

66- Goudah A, Shah SS, Shin HC, Chang BJ, Shim JH, **Abd El-Aty AM**. Concentration-time courses of pefloxacin in plasma and milk of lactating she-camels (*Camelus Dromedarius*). **Berliner Und Münchener Tier ärztliche Wochenschrift** 2008 Nov-Dec; 121 (11-12): 432-439 (Corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/19086693>

67- Morgan AM, Shin HC, **Abd El-Aty AM**. Characterization of the heavy metals contaminating the River Nile at El-Giza Governorate, Egypt and their relative bioaccumulations in *Tilapia nilotica*. **Toxicological Research** 2008 December; 24 (4): 297-305 (Corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/32038808>

2009

68- [Abd El-Aty AM](#), Choi JH, Ko MW, Khay S, Goudah A, Shin HC, Kim JS, Chang BJ, Lee CH, Shim JH. Approaches for application of sub and supercritical fluid extraction for quantification of orbifloxacin from plasma and milk: application to disposition kinetics. **Analytica Chimica Acta** 2009 January 5; 631(1): 108-15 (**First author**).
<http://www.ncbi.nlm.nih.gov/pubmed/19046687>

69- Khay S, [Abd El-Aty AM](#), Choi JH, Shin EH, Shin HC, Kim JS, Chang BJ, Lee CH, Shin SC, Jeong JY, Shim JH. Simultaneous determination of pyrethroids from pesticide residues in porcine muscle and pasteurized milk using GC. **Journal of Separation Science** 2009 January; 32 (2): 244-251 (**Equally contributed first author and co-corresponding author**).
<http://www.ncbi.nlm.nih.gov/pubmed/19107766>

70- Kim YM, [Abd El-Aty AM](#), Hwang SH, Lee JH, Lee SM. Risk factors of Relinquishment regarding Canine behavior problems in South Korea. **Berliner Und Münchener Tier ärztliche Wochenschrift** 2009 Jan-Feb; 122 (1-2): 1-7 (**Co-author**).
<http://www.ncbi.nlm.nih.gov/pubmed/19226929>

71- Mamun MI, Park JH, Choi JH, Kim HK, Choi WJ, Han SS, Hwang K, Jang NI, Assayed ME, El-Dib MA, Shin HC, [Abd El-Aty AM](#), Shim JH. Development and validation of a multiresidue method for determination of 82 pesticides in water using GC. **Journal of Separation Science** 2009 Feb 11; 32 (4): 559-574 (**Co-Corresponding author**).
<http://www.ncbi.nlm.nih.gov/pubmed/19212978>

72- Jong-Hyouk Park, M. I. R. Mamun, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Geon-Jae Im, Chang-Hwan Oh and Jae-Han Shim. An Extrapolation from Crop Classifications Based on Pesticide Residues Trial Data within Vegetables in Minor Crops. **The Korean Journal of Pesticide Science** 2009; 13 (1): 28-38 (**Co-author**).

73- Choi JH, Mamun MI, [Abd El-Aty AM](#), Kim KT, Koh HB, Shin HC, Kim JS, Lee KB, Shim JH. Inert matrix and Na₄EDTA improve the supercritical fluid extraction efficiency of fluoroquinolones for HPLC determination in pig tissues. **Talanta** 2009 Apr 30; 78 (2): 348-357. (**Co-Corresponding author**)
<http://www.ncbi.nlm.nih.gov/pubmed/19203594>

74- Lee SJ, Park HJ, Kim W, Jin JS, [Abd El-Aty AM](#), Shim JH, Shin SC. Multiresidue analysis of 47 pesticides in cooked wheat flour and polished rice by liquid chromatography with tandem mass spectrometry. **Biomedical Chromatography** 2009 Apr; 23 (4): 434-442 (**Co-author**).
<http://www.ncbi.nlm.nih.gov/pubmed/19039807>

75- Lee SJ, Park S, Choi JY, Shim JH, Shin EH, Choi JH, Kim ST, [Abd El-Aty AM](#), Jin JS, Bae DW, Shin SC. Multiresidue analysis of pesticides with hydrolysable functionality in cooked vegetables by liquid chromatography tandem mass spectrometry. **Biomedical Chromatography** 2009 July; 23 (7): 719-731 (**Co-author**).
<http://www.ncbi.nlm.nih.gov/pubmed/19360753>

76- Goudah A, Cho HJ, Shin HC, Shim JH, Regmi NL, Shimoda M, **Abd El-Aty AM**. Pharmacokinetics and milk distribution characteristics of orbifloxacin following intravenous and intramuscular injection in lactating ewes. **Journal of Veterinary Pharmacology and Therapeutics** 2009 August; 32 (4): 338-344 (**Equally contributed first author and corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/19614838>

77- Goudah A, Shin HC, Kim JS, Chang BJ, Shim JH, **Abd El-Aty AM**. Evaluation of single-dose pharmacokinetics of cefepime in healthy bull camels (*Camelus dromedaries*). **Journal of Veterinary Pharmacology and Therapeutics** 2009 August; 32 (4): 393-396 (**Equally contributed first author and corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/19614845>

78- Assayed M., **Abd El-Aty AM**. Protection of Rat Chromosomes by Melatonin against Gamma Radiation-Induced Damage. **Mutation Research-Genetic Toxicology and Environmental Mutagenesis** 2009 Jun-Jul;677(1-2):14-20 (**Equally contributed first author**).

<http://www.ncbi.nlm.nih.gov/pubmed/19465147>

79- Herebian D, Choi JH, **Abd El-Aty AM**, Shim JH, Spiteller M. Metabolite analysis in *Curcuma domestica* using various GC-MS and LC-MS separation and detection techniques. **Biomedical Chromatography** 2009 September;23(9): 951-965 (**Co-author**).

<http://www.ncbi.nlm.nih.gov/pubmed/19358151>

80- Assayed ME, **Abd El-Aty AM**. Cruciferous Plants: Phytochemical Toxicity versus Cancer Chemoprotection. **Review: Mini-Reviews in Medicinal Chemistry** 2009 November; 9(13): 1470-1478 (**Equally contributed first author and co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/20105135>

81- Shin HC, Kim HR, Cho HJ, Yi H, Cho SM, Lee DG, **Abd El-Aty AM**, Kim JS, Sun D, Amidon GL. Comparative gene expression of intestinal metabolizing enzymes. **Biopharmaceutics and Drug Disposition** 2009 Nov;30(8):411-21 (**Co-author**).

<http://www.ncbi.nlm.nih.gov/pubmed/19746353>

2010

82- Abdl-Rahman MA, Sawiress FA, **Abd El-Aty AM**. Effect of sodium lauryl sulfate-fumaric Acid coupled addition on the *in vitro* rumen fermentation with special regard to methanogenesis. **Veterinary Medicine International** 2010 doi: [10.4061/2010/858474](https://doi.org/10.4061/2010/858474) (**Corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/20445794>

83- Park S, Lee SJ, Kim HG, Jeong WY, Shim JH, **Abd El-Aty AM**, Jeong SW, Lee WS, Kim ST, Shin SC. Residue analysis of multi-class pesticides in watermelon by LC-MS/MS. **Journal of Separation Science** 2010 Mar;33(4-5):493-501 (**Co-author**).

<http://www.ncbi.nlm.nih.gov/pubmed/20175086>

- 84- Cho HJ, Yi H, Cho SM, Lee DG, Cho K, [Abd El-Aty AM](#), Shim JH, Lee SH, Jeong JY, Shin HC. Single-step extraction followed by LC for determination of (fluoro)quinolone drug residues in muscle, eggs, and milk. **Journal of Separation Science** 2010 April; 33(8): 1034-1043 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/20175091>
- 85- Medan MS, [Abd El-Aty AM](#). Advances in ultrasonography and its applications in domestic ruminants and other farm animals reproduction. **Review: Journal of Advanced Research** April 2010; 1(2): 123-128 (Equally contributed first author).
- 86- Kim YM, Lee JK, [Abd El-Aty AM](#), Hwang SH, Lee JH, Lee SM. Efficacy of dog-appeasing pheromone (DAP) for ameliorating separation-related behavioural signs in hospitalized dogs. **Canadian Veterinary Journal** 2010 April, 51: 375–379. (Co-author)
<http://www.ncbi.nlm.nih.gov/pubmed/20592826>
- 87- Choi JY, Lee SJ, Lee SJ, Park S, Lee JH, Shim JH, [Abd El-Aty AM](#), Jin JS, Jeong ED, Lee WS, Shin SC. Analysis and tentative structure elucidation of new anthocyanins in fruit peel of *Vitis coignetiae Pulliat* using LC-MS/MS: Contribution to the overall antioxidant activity. **Journal of Separation Science** 2010 May, 33(9): 1192-1197 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/20187032>
- 88- Yi H, Cho HJ, Cho SM, Lee DG, [Abd El-Aty AM](#), Yoon SJ, Bae GW, Nho K, Kim B, Lee CH, Kim JS, Bartlett MG, Shin HC. Pharmacokinetic properties and antitumor efficacy of the 5-fluorouracil loaded PEG-hydrogel. **BMC Cancer** 2010 May 18;10(1):211 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/20482808>
- 89- Hem L, Khay S, Choi JH, Morgan ED, [Abd El-Aty AM](#), Shim JH. Determination of Trichlorfon Pesticide Residues in Milk via Gas Chromatography with μ -Electron Capture Detection and GC-MS. **Toxicological Research** 2010 June; 26 (2): 149-155 (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/24278518>
- 90- Lee JH, Park S, Jeong WY, Park HJ, Kim HG, Lee SJ, Shim JH, Kim ST, [Abd El-Aty AM](#), Im MH, Choi OJ, Shin SC. Simultaneous determination of phoxim and its photo-transformation metabolite residues in eggs using liquid chromatography coupled with electrospray ionization tandem mass spectrometry. **Analytica Chimica Acta** 2010 Jul 26;674(1):64-70 (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/20638501>
- 91- Ibrahim MD, Fathi M, Mesalhy S, [Abd El-Aty AM](#). Effect of dietary supplementation of Inulin and vitamin C on the growth, hematology, innate immunity, and resistance of Nile tilapia (*Oreochromis niloticus*). **Fish and Shellfish Immunology** 2010 August; 29 (2): 241-246 (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/20371294>
- 92- Park JH, Mamun MI, Choi JH, [Abd El-Aty AM](#), Assayed ME, Choi WJ, Yoon KS, Han SS, Kim HK, Park BJ, Kim KS, Kim SD, Choi HG, Shim JH. Development of a multi-residue method for the determination of multi-class pesticides in soil using GC. **Biomedical Chromatography** 2010 Aug;24(8):893-901 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/20039336>

93- Atef M, El-Gendi AY, Amer AM, [Abd El-Aty AM](#). Effect of three anthelmintics on disposition kinetics of florfenicol in goats. **Food and Chemical Toxicology** 2010 Dec;48(12):3340-4 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/20863870>

2011

94- Shin EH, Choi JH, [Abd El-Aty AM](#), Khay S, Kim SJ, Im MH, Kwon CH, Shim JH. Simultaneous determination of three acidic herbicide residues in food crops using HPLC and confirmation via LC-MS/MS. **Biomedical Chromatography** 2011 Jan;25(1-2):124-35. (Co-corresponding author)

<http://www.ncbi.nlm.nih.gov/pubmed/20842699>

95- Park JY, Choi JH, Kim BM, Park JH, Cho SK, Ghafar MW, [Abd El-Aty AM](#), Shim JH. Determination of acetamiprid residues in zucchini grown under greenhouse conditions: Application to behavioral dynamics. **Biomedical Chromatography** 2011 Jan;25(1-2):136-146. (Co-corresponding author)

<http://www.ncbi.nlm.nih.gov/pubmed/21182099>

96- Park JH, Mamun MI, [Abd El-Aty AM](#), Na TW, Choi JH, Ghafar MW, Choi WJ, Kim KS, Kim SD, Shim JH. Simultaneous multiresidue determination of 48 pesticides in Yeongsan and Sumjin River water using GC-NPD and confirmation via GC-MS.. **Biomedical Chromatography** 2011 Jan;25(1-2):155-63. (Co-corresponding author)

<http://www.ncbi.nlm.nih.gov/pubmed/21077268>

97- A. Ramadan and [A. M. Abd El-Aty](#). Pharmacokinetics and Distribution of Florfenicol in Bronchial Secretions of Healthy and *Pasteurella multocida* Infected Calves. **Pharmaceutica Analytica Acta** 2011; 2(1):

98- Choi JH, Na TW, Rouf Mamun MI, [Abd El-Aty AM](#), Shin EH, Park JH, Shim JH. Bufferized solvent extraction and HPLC fluorometric detection method for sarafloxacin in pig and chicken muscles. **Biomedical Chromatography** 2011 Mar;25(3):405-11. (Co-author)

<http://www.ncbi.nlm.nih.gov/pubmed/20602509>

99- Lina Hem, Jeong-Heui Choi, Jong-Hyouk Park, Md. I. R. Mamun, Soon-Kil Cho, [A. M. Abd El-Aty](#), Jae-Han Shim. Residual pattern of fenhexamid on pepper fruits grown under greenhouse conditions using HPLC and confirmation via tandem mass spectrometry. **Food Chemistry** 2011 June 15; 126 (4): 1533-1538. (Co-corresponding author).

100- Lee SW, Choi JH, Cho SK, Yu HA, [Abd El-Aty AM](#), Shim JH. Development of a new QuEChERS method based on dry ice for the determination of 168 pesticides in paprika using tandem mass spectrometry. **Journal of Chromatography A** 2011 July 15;1218(28):4366-77. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/21632058>

101- Jeong-Heui Choi, M. I. R. Mamun, [A. M. Abd El-Aty](#), Jong-Hyouk Park, Eun-Ho Shin, Ji Yeon Park, Soon-Kil Cho, Young-Seok Park, Hyang-Rang Jeon, Kang Bong Lee, Jae-Han Shim. Development of a single-step precipitation cleanup method for the determination of enrofloxacin, ciprofloxacin, and danofloxacin in porcine plasma. **Food Chemistry 2011 August 15; 127: 1878-1883. (Co-corresponding author).**

102- Ji-Yeon Park, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Bo Mi Kim, Jae-Ho Oh, Jung-Ah Do, Ki Sung Kwon, Ki-Hoon Shim, Ok-Ja Choi, Sung Chul Shin, Jae-Han Shim. Simultaneous multiresidue analysis of 41 pesticide residues in cooked foodstuff using QuEChERS: Comparison with classical method. **Food Chemistry 2011 September 1; 128: 241-253 (Co-corresponding author).**

103- K. Abo El-Sooud, M. M. Hashem, A. Ramadan, [A. M. Abd El-Aty](#), Kawther Y. Awadallaha, A. Q. Gab-Allaha. Research Strategies for Treatment of Nanobacteria. **Insight Nanotechnology 2011; 1 (1): 1-8. (Co-author)**

104- Park JH, Iqbal Rouf Mamun M, [Abd El-Aty AM](#), Na TW, Choi JH, Ghafar MW, Kim KS, Kim SD, Shim JH. Development and validation of a multiresidue method for determination of 37 pesticides in soil using GC-NPD. **Biomedical Chromatography 2011 Sep;25(9):1003-1009. (Co-corresponding author)**
<http://www.ncbi.nlm.nih.gov/pubmed/21154886>

105- Park JY, Choi JH, [Abd El-Aty AM](#), Kim BM, Park JH, Choi WJ, Shim JH. Development and validation of an analytical method for determination of endocrine disruptor, 2,4-D, in paddy field water. **Biomedical Chromatography 2011 Sep;25(9):1018-1024. (Co-corresponding author)**
<http://www.ncbi.nlm.nih.gov/pubmed/21204114>

106- Cho HJ, Jo K, Yi H, Cho SM, [Abd El-Aty AM](#), Kim MK, Han SB, Oh JH, Kwon CH, Shim JH, Shin HC. Development and validation of a liquid chromatography method with electrospray ionization tandem mass spectrometry for the determination of brotizolam residues in beef and commercial whole milk. **Biomedical Chromatography 2011 Sep;25(9):1061-1066. (Co-Author)**
<http://www.ncbi.nlm.nih.gov/pubmed/21400549>

107. Liu X, [Abd El-Aty AM](#), Shim JH. Various Extraction and Analytical Techniques for Isolation and Identification of Secondary Metabolites from *Nigella sativa* Seeds. **Mini-Reviews in Medicinal Chemistry 2011 Oct; 11(11): 947-955 (Co-corresponding author).**
<http://www.ncbi.nlm.nih.gov/pubmed/21762099>

108- Liu X, [Abd El-Aty AM](#), Park JY, Park JH, Cho SK, Shin HC, Shim JH. Determination of spinetoram in leafy vegetable crops using liquid chromatography and confirmation via tandem mass spectrometry. **Biomedical Chromatography 2011 Oct; 25(10):1099-1106. (Co-corresponding author)**
<http://www.ncbi.nlm.nih.gov/pubmed/21287582>

109-Jeong WY, Jin JS, Cho YA, Lee JH, Park S, Jeong SW, Kim YH, Lim CS, [Abd El-Aty AM](#), Kim GS, Lee SJ, Shim JH, Shin SC. Determination of polyphenols in three *Capsicum annuum* L. (bell pepper) varieties using high performance liquid chromatography-tandem

mass spectrometry: Their contribution to overall antioxidant and anticancer activity. **Journal of Separation Science** 2011 Nov;34(21):2967-74. (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/21898818>

2012

110- Rahman MM, Choi JH, **Abd El-Aty AM**, Park JH, Park JY, Im GJ, Shim JH.. Determination of chlorfenapyr in leek grown under greenhouse conditions with GC- μ ECD and confirmation by mass spectrometry. **Biomedical Chromatography** 2012 Feb;26(2):172-7. (Co-corresponding author)
<http://www.ncbi.nlm.nih.gov/pubmed/21607997>

111- Bo Mi Kim, Joon-Seong Park, Jeong-Heui Choi, **A.M. Abd El-Aty**, Tae Woong Na, Jae-Han Shim. Residual determination of clothianidin and its metabolites in three minor crops via tandem mass spectrometry. **Food Chemistry** 2012 April 15;131(4): 1546-1551. (Co-corresponding author).

112- Kim HG, Kim GS, Park S, Lee JH, Seo ON, Lee SJ, Kim JH, Shim JH, **Abd El-Aty AM**, Jin JS, Shin SC. Flavonoid profiling in three citrus varieties native to Republic of Korea using liquid chromatography coupled with tandem mass spectrometry: contribution to overall antioxidant activity. **Biomedical Chromatography** 2012 April;26(4):464-70. (Co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/21830229>

113- Rahman MM, Choi JH, **Abd El-Aty AM**, Abid MD, Park JH, Na TW, Kim YD, Shim JH. Pepper leaf matrix as a promising analyte protectant prior to the analysis of thermolabile terbufos and its metabolites in pepper using GC-FPD. **Food Chemistry** 2012 July 15, 133(2): 604-610. (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/25683440>

114- K Abo-El-Sooud, N. A. Afifi, **A. M. Abd El-Aty**. Pharmacokinetics and bioavailability of tulathromycin following intramuscular and subcutaneous administrations in healthy rabbits. **Vet. World** 2012; 5(7): 424-428. ISSN (print): 0972-8988 (Co-author).

115- Ji-Yeon Park, Angel Yang, Jong-Hyoun Park, **A. M. Abd El-Aty**, Jae-Ho Oh, Jung-Ah Do, Kisung Kwon, Ki-Hoon Shim, Ok-Ja Choi, Jae-Han Shim. Separation of Multi-class Pesticide Residues from Fatty Food Matrices prior to Analysis using Gas Chromatography. **Journal of the Korean Society for Applied Biological Chemistry** 2012 Aug, 55(4): 541-549. Online ISSN: 2234-344X, print ISSN: 1738-2203. (Co-corresponding author).

116- Liu X, **Abd El-Aty AM**, Cho SK, Yang A, Park JH, Shim JH. Characterization of secondary volatile profiles in *Nigella sativa* seeds from two different origins using accelerated solvent extraction and gas chromatography-mass spectrometry. **Biomedical Chromatography** 2012 Oct, 26(10): 1157-1162. (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/22290690>

117- Park KH, Choi JH, **Abd El-Aty AM**, Cho SK, Park JH, Kim BM, Yang A, Na TW, Rahman M, Im GJ, Shim JH. Determination of spinetoram and its metabolites in amaranth and parsley using QuEChERS-based extraction and liquid chromatography-tandem mass

spectrometry. *Food Chemistry* 2012 Oct 15, 134(4):2552-2559. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23442724>

118- Tae Woong Na, Md. Musfiqur Rahman, Jong-Hyouk Park, Angel Yang, Ki Hun Park, **A. M. Abd El-Aty**, Jae-Han Shim. Residual pattern of Acequinocyl and Hydroxyacequinocyl in Perilla leaf grown under greenhouse conditions using UPLC-PDA with tandem mass confirmation. *Journal of the Korean Society for Applied Biological Chemistry* 2012 Oct, 55(5): 657-662. Online ISSN: 2234-344X, print ISSN: 1738-2203. (Co-author).

119- Angel Yang, Jong-Hyouk Park, **A. M. Abd El-Aty**, Jeong-Heui Choi, Jae-Ho Oh, Jung-Ah Do, Ki Sung Kwon, Ki-Hoon Shim, Ok-Ja Choi, Jae-Han Shim. Synergistic effect of washing and cooking on the removal of multi-classes of pesticides from various food samples. *Food Control* 2012 Nov, 28: 99-105. (Co-corresponding author).

120- Park KH, Choi JH, **Abd El-Aty AM**, Cho SK, Park JH, Kwon KS, Park HR, Kim HS, Shin HC, Kim MR, Shim JH. Development of QuEChERS-based extraction and liquid chromatography-tandem mass spectrometry method for quantifying flumethasone residues in beef muscle. *Meat Science* 2012 Dec, 92(4): 749-753. ISSN: 0309-1740. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/22819726>

121- Lina Hem, **A. M. Abd El-Aty**, Jong-Hyouk Park, Jae-Han Shim. Determination of Dinotefuran in Pepper Using Liquid Chromatography: Contribution to safety evaluation. *Journal of the Korean Society for Applied Biological Chemistry* 2012 Dec; 55: 765-768. Online ISSN: 2234-344X, print ISSN: 1738-2203. (Co-corresponding author).

2013

122. Rahman MM, Park JH, **Abd El-Aty AM**, Choi JH, Yang A, Park KH, Nashir Uddin Al Mahmud M, Im GJ, Shim JH. Feasibility and application of an HPLC/UV-D method to determine dinotefuran and its short wavelength metabolite residues in melon with tandem mass confirmation. *Food Chemistry* 2013 Jan 15, 136(2): 1038-1046. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23122160>

123-Park JH, Choi JH, **Abd El-Aty AM**, Park JS, Kim BM, Na TW, Park KH, Yang A, Rahman MM, Shim JH. Development of an extraction method for the determination of avermectins in soil using supercritical CO₂ modified with ethanol and liquid chromatography-tandem mass spectrometry. *Journal of Separation Science* 2013 Jan; 36(1): 148-155. Online ISSN: 1615-9314. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23109286>

124- Rahman MM, Park JH, **Abd El-Aty AM**, Choi JH, Cho SK, Yang A, Park KH, Shim JH. Analysis of kresoxim-methyl and its thermolabile metabolites in Korean Plum: An application of pepper leaf matrix as a protectant for GC amenable metabolites. *Journal of Separation Science* 2013 Jan; 36(1): 203-211. Online ISSN: 1615-9314. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23197469>

125- Cho SK, [Abd El-Aty AM](#), Park KH, Park JH, Assayed ME, Jeong YM, Park YS, Shim JH. Simple multiresidue extraction method for the determination of fungicides and plant growth regulator in Korean bean sprouts using low temperature partitioning and tandem mass spectrometry. **Food Chemistry** 2013 Feb 15, 136(3-4): 1414-1420. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23194542>

126- Al Mahmud MN, Rahman M, Na TW, Park JH, Yang A, Park KH, [Abd El-Aty AM](#), Nahar N, Shim JH. A QuEChERS-based extraction method for the residual analysis of pyraclofos and tebufenpyrad in perilla leaves using gas chromatography: application to dissipation pattern. **Biomedical Chromatography** 2013 Feb; 27(2): 156-173. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/22733570>

127- Rahman MM, Park JH, [Abd El-Aty AM](#), Choi JH, Bae HR, Yang A, Park KH, Shim JH. Single step modified QuEChERS for determination of chlorothalonil in shallot (*Allium ascalonicum*) using GC- μ ECD and confirmation via mass-spectrometry. **Biomedical Chromatography** 2013 April; 27(4): 416-421. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/22987571>

128- Park JH, Park JS, [Abd El-Aty AM](#), Rahman MM, Na TW, Shim JH. Analysis of imidacloprid and pyrimethanil in shallot (*Allium ascalonicum*) grown under greenhouse conditions using tandem mass spectrometry: establishment of pre-harvest residue limits. **Biomedical Chromatography** 2013 April; 27(4): 451-457. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/22949075>

129- Park KH, Choi JH, [Abd El-Aty AM](#), Musfiqur Rahman M, Jang J, Ko AY, Kwon KS, Park HR, Kim HS, Shim JH. Quantifying fenobucarb residue levels in beef muscles using liquid chromatography-tandem mass spectrometry and QuEChERS sample preparation. **Food Chemistry** 2013 June 15; 138(4): 2306-2311. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23497890>

130- Rahman MM, Sharma HM, Park JH, [Abd El-Aty AM](#), Choi JH, Nahar N, Shim JH. Determination of alachlor residues in pepper and pepper leaf using a gas chromatography and confirmed via mass spectrometry with matrix protection. **Biomedical Chromatography** 2013 Jul;27(7):924-30. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23519679>

131- Liu X, Park JH, [Abd El-Aty AM](#), Assayed ME, Shimoda M, Shim JH. Isolation of volatiles from *Nigella sativa* seeds using microwave-assisted extraction: effect of whole extracts on canine and murine CYP1A. **Biomedical Chromatography** 2013 Jul;27(7):938-45. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23629843>

132- Park JH, [Abd El-Aty AM](#), Rahman MM, Choi JH, Shim JH. Application of hollow fiber-assisted liquid-phase microextraction to identify avermectins in stream water using tandem mass spectrometry. **Journal of Separation Science** 2013 Sep;36(17): 2946-51. (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/23504817>

133- Rahman MM, Na TW, **Abd El-Aty AM**, Park JH, Al Mahmud MN, Yang A, Park KH, Shim JH. Dissipation pattern and pre-harvest residue limit of abamectin in perilla leaves. **Environmental Monitoring and Assessment** 2013 Nov; 185(11): 9461-9. **(Co-corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/23729163>

134- Rahman MM, **Abd El-Aty AM**, Shim JH. Matrix enhancement effect: A blessing or a curse for gas chromatography?-A review. **Analytica Chimica Acta** 2013 Nov 1; 801:14-21. **(Co-corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/24139570>

2014

135- Jang J, Rahman MM, Ko AY, **Abd El-Aty AM**, Park JH, Cho SK, Shim JH. A matrix sensitive gas chromatography method for the analysis of pymetrozine in red pepper: application to dissipation pattern and PHRL. **Food Chemistry** 2014 March 1;146:448-445. **(Co-corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/24176366>

136- Jin Jang, Md. Musfiqur Rahman, **A. M. Abd El-Aty**, Ah-Young Ko, Jong-Hyouk Park, Ji Mi Cho, Soon-Kil Cho, Young-Mi Seo, Jae-Han Shim. A simple and improved HPLC method for the analysis of dithianon in red pepper with tandem mass spectrometry confirmation. **Food Analytical Methods** 2014 March; 7: 653-659. **(Co-corresponding author).**

137- Ko AY, Rahman MM, **Abd El-Aty AM**, Jang J, Park JH, Cho SK, Shim JH. Development of a simple extraction and oxidation procedure for the residue analysis of imidacloprid and its metabolites in lettuce using gas chromatography. **Food Chemistry** 2014 April 1; 148: 402-409. **(Co-corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/24262575>

138- Rahman MM, Jang J, Park JH, **Abd El-Aty AM**, Ko AY, Choi JH, Yang A, Park KH, Shim JH. Determination of kresoxim-methyl and its thermolabile metabolites in pear utilizing pepper leaf matrix as a protectant using gas chromatography. **Journal of Advanced Research** 2014 May; 5 (3): 329-335. **(Co-corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/25685500>

139- Yang A, **Abd El-Aty AM**, Park JH, Goudah A, Rahman MM, Do JA, Choi OJ, Shim JH. Analysis of 10 systemic pesticide residues in various baby foods using liquid chromatography-tandem mass spectrometry. **Biomedical Chromatography** 2014 June; 28(6): 735-741. **(Co-corresponding author).**

<http://www.ncbi.nlm.nih.gov/pubmed/24861738>

140- Choi JH, Lamsh öft M, Zühlke S, Park JH, Rahman MM, **Abd El-Aty AM**, Spiteller M, Shim JH. Determination of anxiolytic veterinary drugs from biological fertilizer blood meal

using liquid chromatography high-resolution mass spectrometry. **Biomedical Chromatography 2014 June; 28(6): 751-759. (Co- author).**
<http://www.ncbi.nlm.nih.gov/pubmed/24861740>

141- Jang J, Rahman MM, **Abd El-Aty AM**, Ko AY, Park JH, Choi JH, Park KH, Yang A, Seo YM, Shim JH. Analysis of etoxazole in red pepper after major modification of QuEChERS for gas chromatography-nitrogen phosphorus detection. **Biomedical Chromatography 2014 June; 28(6): 767-773. (Co-corresponding author).**
<http://www.ncbi.nlm.nih.gov/pubmed/24861742>

142- Park SI, Park JH, Ko AY, **Abd El-Aty AM**, Goudah A, Jang J, Rahman MM, Kim MR, Shim JH. Optimization of supercritical fluid extraction method for detection of fluquinconazole and tetraconazole in soil using gas chromatography and confirmation using GC/MS: Application to dissipation kinetics. **Biomedical Chromatography 2014 June; 28(6): 774-781 (Co-corresponding author).**
<http://www.ncbi.nlm.nih.gov/pubmed/24861743>

143- Choi JH, Lamshöft M, Zühlke S, **Abd El-Aty AM**, Rahman MM, Kim SW, Shim JH, Spitteller M. Analyses and decreasing patterns of veterinary antianxiety medications in soils. **Journal of Hazardous Materials 2014 June 30; 275: 154-165. (Co- author).**
<http://www.ncbi.nlm.nih.gov/pubmed/24857899>

144- Ko AY, Musfiqur Rahman M, **Abd El-Aty AM**, Jang J, Choi JH, Mamun MI, Shim JH. Identification of volatile organic compounds generated from healthy and infected powdered chili using solvent-free solid injection coupled with GC/MS: Application to adulteration. **Food Chemistry 2014 August 1; 156: 326-332. (Co-corresponding author).**
<http://www.ncbi.nlm.nih.gov/pubmed/24629976>

145- Ko AY, **Abd El-Aty AM**, Rahman MM, Jang J, Kim SW, Choi JH, Shim JH. A modified QuEChERS method for simultaneous determination of flonicamid and its metabolites in paprika using tandem mass spectrometry. **Food Chemistry 2014 August 15; 157: 413-420. (Co-corresponding author).**
<http://www.ncbi.nlm.nih.gov/pubmed/24679799>

146- **Abd El-Aty AM**, Choi JH, Rahman MM, Kim SW, Tosun A, Shim JH. Residues and contaminants in tea and tea infusions: a review. **Food Additives & Contaminants: Part A 2014 Nov.; 31(11): 1794-1804 (First and co-corresponding author).**
<http://www.ncbi.nlm.nih.gov/pubmed/25164107>

147- Cho SK, **Abd El-Aty AM**, Rahman MM, Choi JH, Shim JH. Simultaneous multi-determination and transfer of eight pesticide residues from green tea leaves to infusion using gas chromatography. **Food Chemistry 2014 Dec. 15; 165: 532-539. (Co-corresponding author).**
<http://www.ncbi.nlm.nih.gov/pubmed/25038708>

148- Sung-Woo Kim, **A. M. Abd El-Aty**, Jong-Hyoun Park, Su Myeong Hong, Young Mi Seo, Jae-Han Shim. A Simple HPLC-UVD Method for Detection of Etofenprox in Green Tea using sample Hydration. **Food Science and Biotechnology 2014 Dec.; 23(6): 2097-2101. (Co- author).**

149- Sung-Woo Kim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Md. Musfiqur Rahman, Su Myeong Hong, Geon-Jae Im, Jae-Han Shim. Analysis of Abamectin Residues in Green Tea using QuEChERS Method and Liquid Chromatography-Tandem Mass Spectrometry. **Journal of the Korean Society for Applied Biological Chemistry** 2014 Dec.; **57** (6): 783-787 (**Co-corresponding author**).

2015

150- Im SJ, [Abd El-Aty AM](#), Lee YJ, Rahman MM, Kim SW, Choi JH, Shim JH. Analysis of benzobicyclon and its metabolite in brown rice and rice straw after field application using liquid chromatography-tandem mass spectrometry. **Food Chemistry** 2015 Feb. **1**; **168C**: 404-409 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/25172727>

151- Rahman MM, [Abd El-Aty AM](#), Choi JH, Kim SW, Shin SC, Shim JH. Consequences of matrix effect on the recovery of dinotefuran and its metabolites in green tea during tandem mass spectrometry analysis. **Food Chemistry** 2015 Feb **1**; **168C**:445-453 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/25172733>

152- Sung-Woo Kim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Young-Jun Lee, Ah-Young Ko, Md. Musfiqur Rahman, Ok-Ja Choi, Hee Nam Jung, Ahmet Hacımüftüoğlu, Jae-Han Shim. The effect of household processing on the decline pattern of dimethomorph in pepper fruits and leaves. **Food Control** 2015 April; **50**: 118-124. (**Co-corresponding author**).

153- M. I. R. Mamun, [A. M. Abd El-Aty](#), Md. Musfiqur Rahman, Jeong-Heui Choi, Kyeong Won Yun, Ho-Chul Shin, and Jae-Han Shim. Characterization of secondary metabolite compounds correlated with the seasons in *Artemisia princeps* var. *orientalis* (Pamp.) H. Hara leaves using direct sample injection and gas chromatography-mass spectrometry: Contribution to phytotoxicity. **Journal of the Korean Society for Applied Biological Chemistry** 2015 April; **58**(2): 173-183. (**Co-corresponding author**).

154- Ah-Young Ko, [A. M. Abd El-Aty](#), Jin Jang, Jeong-Heui Choi, Md. Musfiqur Rahman, Sung-Woo Kim, Ho-Chul Shin, Jae-Han Shim. Detecting fludioxonil residues in brown rice and rice straw using gas chromatography-nitrogen phosphorus detector. **Journal of the Korean Society for Applied Biological Chemistry** 2015 April; **58**(2): 213-217. (**Co-corresponding author**).

155- Yu EA, Kim GS, Lee JE, Park S, Yi S, Lee SJ, Kim JH, Jin JS, [Abd El-Aty AM](#), Shim JH, Shin SC. Flavonoid profiles of immature and mature fruit tissues of *Citrus grandis* Osbeck (Dangyuja) and overall contribution to the antioxidant effect. **Biomedical Chromatography** 2015 April; **29**(4): 590-594 (**Co-author**).

<http://www.ncbi.nlm.nih.gov/pubmed/25201434>

156- Park S, Park CS, Lee SJ, Cha B, Cho YA, Song Y, Yu EA, Kim GS, Jin JS, [Abd El-Aty AM](#), El-Banna HA, Hacımüftüoğlu A, Shim JH, Shin SC. Development and validation of a high performance liquid chromatography-tandem mass spectrometric method for

simultaneous determination of bupropion, quetiapine, and escitalopram in human plasma. **Biomedical Chromatography** 2015 April; 29(4): 612-618 (Co-author).

<http://www.ncbi.nlm.nih.gov/pubmed/25262603>

157- Rahman MM, Farha W, **Abd El-Aty AM**, Kabir MH, Im SJ, Jung DI, Choi JH, Kim SW, Son YW, Kwon CH, Shin HC, Shim JH. Dynamic behavior and residual pattern of thiamethoxam and its metabolite, clothianidin, in Swiss chard using liquid chromatography-tandem mass spectrometry. **Food Chemistry** 2015 May 1; 174: 248-255 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/25529677>

158- Jeong SW, Kim GS, Lee WS, Kim YH, Kang NJ, Jin JS, Lee GM, Kim ST, **Abd El-Aty AM**, Shim JH, Shin SC. The effects of different night-time temperatures and cultivation durations on the polyphenolic contents of lettuce: Application of principal component analysis. **Journal of Advanced Research** May 2015, 6(3): 493-499 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26257947>

159- Lee YJ, Choi JH, **Abd El-Aty AM**, Im SJ, Musfiqur Rahman M, Kim SW, Shim JH. Residue analysis of orthosulfamuron herbicide in fatty rice using liquid chromatography-tandem mass spectrometry. **Journal of Advanced Research** May 2015; 6(3): 511-516 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26257949>

160- Kim SW, **Abd El-Aty AM**, Rahman MM, Choi JH, Choi OJ, Rhee GS, Chang MI, Kim H, Abid MD, Shin SC, Shim JH. Detection of pyridaben residue levels in hot pepper fruit and leaves by liquid chromatography-tandem mass spectrometry: effect of household processes. **Biomedical Chromatography** July 2015; 29(7): 990-997 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/25402259>

161- Zhang D, Park JA, Kim DS, Kim NH, Kim SK, Cho KS, Jeong D, Shim JH, **Abd El-Aty AM**, Shin HC. Simultaneous detection of bacitracin and polymyxin B in livestock products using liquid chromatography-tandem mass spectrometry. **Journal of Separation Science** July 2015; 38(14): 2371-2380 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/25907418>

162- Park JA, Zhang D, Kim DS, Kim SK, Cho KS, Jeong D, Shim JH, Kim JS, **Abd El-Aty AM**, Shin HC. Single-step multiresidue determination of ten multiclass veterinary drugs in pork, milk, and eggs using liquid chromatography with tandem mass spectrometry. **Journal of Separation Science** August 2015; 38 (16): 2772-2780 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26033853>

163- Cho SK, Cho JM, **Abd El-Aty AM**, Rahman MM, Choi JH, Seo YJ, Shin HC, Shim JH. Simple extraction method using syringe filter for detection of ethephon in tomatoes by negative-ion mode liquid chromatography with tandem mass spectrometry. **Biomedical Chromatography** October 2015; 29 (10): 1480-1485 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/25753465>

164- Desta KT, Kim GS, Hong GE, Kim YH, Lee WS, Lee SJ, Jin JS, [Abd El-Aty AM](#), Shin HC, Shim JH, Shin SC. Dietary-flavonoid-rich flowers of *Rumex nervosus* Vahl: Liquid chromatography with electrospray ionization tandem mass spectrometry profiling and in vitro anti-inflammatory effects. **Journal of Separation Science** Oct 2015; 38(19):3345-3353 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26223370>

165- Farha W, Rahman MM, [Abd El-Aty AM](#), Jung DI, Kabir MH, Choi JH, Kim SW, Jeong Im S, Lee YJ, Shin HC, Kwon CH, Son YW, Lee KB, Shim JH. A combination of solid-phase extraction and dispersive solid-phase extraction effectively reduces the matrix interference in liquid chromatography – ultraviolet detector during pyraclostrobin analysis in perilla leaves. **Biomedical Chromatography** Dec 2015; 29(12): 1932-1936 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26032066>

166- Jeon JS, Kim BH, Lee SH, Kwon HJ, Bae HJ, Kim SK, Park JA, Shim JH, [Abd El-Aty AM](#), Shin HC. Simultaneous determination of arbutin and its decomposed product, hydroquinone, in whitening creams using high-performance liquid chromatography with photodiode array detection: Effect of temperature and pH on decomposition. **International Journal of Cosmetic Science** Dec 2015, 37(6): 567-573 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/25857400>

167- Al Mahmud MN, Khalil F, Rahman MM, Mamun MI, Shoeb M, [Abd El-Aty AM](#), Park JH, Shin HC, Nahar N, Shim JH. Analysis of DDT and its metabolites in soil and water samples obtained in the vicinity of a closed-down factory in Bangladesh using various extraction methods. **Environmental Monitoring and Assessment** 2015 Dec;187(12):743. doi: 10.1007/s10661-015-4965-9 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26559557>

168- Park JA, Zhang D, Kim SK, Cho SH, Cho SM, Yi H, Shim JH, Kim JS, [Abd El-Aty AM](#), Shin HC. Simultaneous determination of aminopyrine and antipyrine in porcine muscle, milk, and eggs using liquid chromatography-tandem mass spectrometry. **Journal of Separation Science** 2015 Dec; 38(23): 4048-4054 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26434939>

2016

169- Zhang D, Park JA, Kim DS, Kim SK, Shin SJ, Shim JH, Shin SC, Kim JS, [Abd El-Aty AM](#), Shin HC. A simple extraction method for simultaneous detection of tetramisole and diethylcarbamazine in milk, eggs, and porcine muscle using gradient liquid chromatography-tandem mass spectrometry. **Food Chemistry** Feb 2016; 192: 299-305 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26304351>

170- Zhang D, Park JA, Kim SK, Cho SH, Jeong D, Cho SM, Yi H, Shim JH, Kim JS, [Abd El-Aty AM](#), Shin HC. Simultaneous detection of flumethasone, DL-methylephedrine, and 2-hydroxy-4,6-dimethylpyrimidine in porcine muscle and pasteurized cow milk using liquid chromatography coupled with triple-quadrupole mass spectrometry. **Journal of Chromatography B** 2016 Feb 15; 1012-1013: 8-16 (Co-corresponding author).

<http://www.ncbi.nlm.nih.gov/pubmed/26797492>

171- Desta KT, Kim GS, Kim YH, Lee WS, Lee SJ, Jin JS, **Abd El-Aty AM**, Shin HC, Shim JH, Shin SC. The polyphenolic profiles and antioxidant effects of *Agastache rugosa* Kuntze (Banga) flower, leaf, stem, and root. **Biomedical Chromatography** 2016 Feb; 30(2): 225-231 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26094749>

172- Md. Humayun Kabir, A. M. Abd El-Aty, So Jeong Im, Md. Musfiqur Rahman, Sung-Woo Kim, Waziha Farha, Jeong-Heui Choi, Da-I Jung, Young-Jun Lee, Troung Lieu, Ho-Chul Shin, Geon-Jae Im, Su-Myeong Hong, Jae-Han Shim. Determination of metrafenone residual levels in lettuce grown under greenhouse conditions using gas chromatography-micro electron capture detector. **Journal of the Korean Society for Applied Biological Chemistry** 2016 Feb, 59(1): 43-49 (**Co-corresponding author**).

173- Zhang D, Park JA, Kim SK, Cho SH, Cho SM, Yi H, Jae-Han S H, Kim JS, **Abd El-Aty AM**, Shin HC. Determination of residual levels of naloxone, yohimbine, thiophanate, and altrenogest in porcine muscle using QuEChERS with liquid chromatography and triple quadrupole mass spectrometry. **Journal of Separation Science** 2016 March, 39(5): 835-841 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26697949>

174- Jung DI, Farha W, **Abd El-Aty AM**, Kim SW, Rahman MM, Choi JH, Kabir MH, Im SJ, Lee YJ, Truong LT, Shin HC, Im GJ, Shim JH. Effects of light shading and climatic conditions on the metabolic behavior of flonicamid in red bell pepper. **Environmental Monitoring and Assessment** 2016 Mar;188(3):144. doi: 10.1007/s10661-016-5142-5 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26846294>

175- Park JA, Zhang D, Kim DS, Kim SK, Cho SH, Jeong D, Kim JS, Shim JH, **Abd El-Aty AM**, Shin HC. Development of an HPLC-FLD method for piperazine quantification in animal products using precolumn derivatization. **Food Chemistry** 2016 Apr 1;196:1331-7 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26593624>

176- Song Y, Desta KT, Kim GS, Lee SJ, Lee WS, Kim YH, Jin JS, **Abd El-Aty AM**, Shin HC, Shim JH, Shin SC. Polyphenolic profile and antioxidant effects of various parts of *Artemisia annua* L. **Biomedical Chromatography** 2016 April; 30(4): 588-595 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26285146>

177- Jin-A Park, Daun Jeong, Dan Zhang, Seong-Kwan Kim, Sang-Hyun Cho, Soo-Min Cho, Hee Yi, Jae-Han Shim, Jin-Suk Kim, **A. M. Abd El-Aty**, Ho-Chul Shin. Simple extraction method with no cleanup procedure for detection of minocycline residues in porcine muscle and milk using triple quadrupole liquid chromatography-tandem mass spectrometry. **Journal of the Korean Society for Applied Biological Chemistry** 2016 April; 59(2): 297-303 (**Co-corresponding author**).

178- Desta KT, Lee WS, Lee SJ, Kim YH, Kim GS, Lee SJ, Kim ST, **Abd El-Aty AM**, Warda M, Shin HC, Shim JH, Shin SC. Antioxidant activities and liquid chromatography with electrospray ionization tandem mass spectrometry characterization and quantification of the polyphenolic contents of Rumex nervosus Vahl leaves and stems. **Journal of Separation Science** 2016 April; 39(8): 1433-1441 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26899192>

179- Rahman MM, Kim SW, Na TW, **Abd El-Aty AM**, Lee YJ, Park JS, Ramadan A, Lee HS, Chung HS, Choi JH, Shin HC, Shim JH. QuEChERS method for the simultaneous quantification of phorate and its metabolites in porcine and chicken muscle and table eggs using ultra high performance liquid chromatography with tandem mass spectrometry. **Journal of Separation Science** 2016 June; 39(11): 2079-2086 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/27061785>

180- Zhang D, Park ZY, Park JA, Kim SK, Jeong D, Cho SH, Shim JH, Kim JS, **Abd El-Aty AM**, Shin HC. A combined liquid chromatography-triple quadrupole mass spectrometry method for the residual detection of veterinary drugs in porcine muscle, milk, and eggs. **Environmental Monitoring and Assessment** 2016 June; 188(6): 348 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/27178050>

181- Kim SW, **Abd El-Aty AM**, Choi JH, Lee YJ, Lieu TT, Chung HS, Rahman MM, Choi OJ, Shin HC, Rhee GS, Chang MI, Kim HJ, Shim JH. Contributing effect of various washing procedures and additives on the decline pattern of diethofencarb in crown daisy, a model of leafy vegetables. **Food Chemistry** 2016 June 15; 201: 153-159 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26868560>

182- Jeon JS, Kim HT, Kim MG, Oh MS, Hong SR, Yoon MH, Cho SM, Shin HC, Shim JH, Ramadan A, **Abd El-Aty AM**. Simultaneous determination of water-soluble whitening ingredients and adenosine in different cosmetic formulations using high-performance liquid chromatography coupled with photodiode array detection. **International Journal of Cosmetic Science** 2016 June; 38(3): 286-293 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26564311>

183- Im SJ, Rahman MM, **Abd El-Aty AM**, Kim SW, Kabir H, Farha W, Lieu T, Lee YJ, Jung DI, Choi JH, Shin HC, Im GJ, Hong SM, Shim JH. Simultaneous detection of fluquinconazole and flusilazole in lettuce using gas chromatography with a nitrogen phosphorus detector: Decline patterns at two different locations. **Biomedical Chromatography** 2016 June; 30(6): 946-952 (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26480018>

184- Farha W, Rahman MM, **Abd El-Aty AM**, Kim SW, Jung DI, Im SJ, Choi JH, Kabir MH, Lee KB, Shin HC, Shim JH. Analysis of mandipropamid decline pattern through systematic method optimization against matrix complexity of sesame leaves using HPLC/UV-D. **Biomedical Chromatography** 2016 July; 30(7): (**Co-corresponding author**).

<http://www.ncbi.nlm.nih.gov/pubmed/26491843>

185- Jong-Sup Jeon, Han-Taek Kim, Myeong-Gil Kim, Moon-Seog Oh, Se-Ra Hong, Mi-Hye Yoon, Ho-Chul Shin, Jae-Han Shim, Nehal Aly Afifi, Ahmet Hacımuftuoğlu, A. M. Abd El-Aty. Simultaneous detection of glabridin, (-)- α -bisabolol, and ascorbyl tetraisopalmitate in whitening cosmetic creams using HPLC-PAD. **Chromatographia** 2016 July; 79(13-14): 851-860 (Co-corresponding author).

186- Kim YS, Lee SJ, Choi JY, Kim YH, Desta KT, Piao Z, Choi SL, Nam SJ, Kang KY, **Abd El-Aty AM**, Shin YC, Shin SC. Determination of process-related impurities in N-acetylglucosamine prepared by chemical and enzymatic methods: Structural elucidation and quantification. **Archives Pharmacal Research** 2016 July; 39(7): 937-945 (co-author).
<http://www.ncbi.nlm.nih.gov/pubmed/27220340>

187- Truong LT, Kim SW, **Abd El-Aty AM**, Kabir H, Rahman M, Choi JH, Shin HC, Kwon CH, Lee KB, Yoon HJ, Shim JH. Various extraction methods for detection of bistrifluron residues in Asian pear using high-performance liquid chromatography: Application to dissipation patterns under open-field conditions. **Biomedical Chromatography** 2016 Oct; 30(10): 1535-1540 (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/26991987>

188- Lee YJ, Rahman MM, **Abd El-Aty AM**, Choi JH, Chung HS, Kim SW, Abdel-Aty AM, Shin HC, Shim JH. Detection of three herbicide, and one metabolite, residues in brown rice and rice straw using various versions of the QuEChERS method and liquid chromatography-tandem mass spectrometry. **Food Chemistry** 2016 Nov 1; 210: 442-450 (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/27211669>

189- Kabir MH, **Abd El-Aty AM**, Kim SW, Lee HS, Rahman MM, Lee YJ, Chung HS, Lieu T, Choi JH, Shin HC, Im GJ, Hong SM, Shim JH. Residual determination and risk assessment of buprofezin in plum (*Prunus domestica*) grown in open-field conditions following the application of three different formulations. **Biomedical Chromatography** 2016 Nov; 30(11): 1721-1727 (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/27106875>

190- Kim SW, Rahman M, **Abd El-Aty AM**, Truong LT, Choi JH, Park JS, Kim MR, Shin HC, Shim JH. Residue level and dissipation pattern of lepimectin in shallots using high-performance liquid chromatography coupled with photodiode array detection. **Biomedical Chromatography** 2016 Nov; 30(11): 1835-1842 (Co-corresponding author).
<http://www.ncbi.nlm.nih.gov/pubmed/27187504>

191- Farha W, **Abd El-Aty AM**, Rahman MM, Shin HC, Shim JH. An overview on common aspects influencing the dissipation pattern of pesticides: A review. **Environmental Monitoring and Assessment** 2016 Dec; 188: 693 DOI 10.1007/s10661-016-5709-1 (Co-corresponding author)
<https://www.ncbi.nlm.nih.gov/pubmed/27888425>

192- Chung HS, Choi JH, **Abd El-Aty AM**, Lee YJ, Lee HS, Kim S, Jung HJ, Kang TW, Shin HC, Shim JH. Simultaneous determination of seven multiclass veterinary antibiotics in surface water samples in the Republic of Korea using liquid chromatography-tandem mass

spectrometry. **Journal of Separation Science** 2016 Dec;39(24): 4688-4699 (**Co-corresponding author**).

<https://www.ncbi.nlm.nih.gov/pubmed/27778445>

2017

193- Rahman M, **Abd El-Aty AM**, Kim SW, Shin SC, Shin HC, Shim JH. Quick, easy, cheap, effective, rugged, and safe sample preparation approach for pesticide residue analysis using traditional detectors in chromatography- A review. **Journal of Separation Science** 2017 Jan; 40(1): 203-212 (**Co-corresponding author**).

<https://www.ncbi.nlm.nih.gov/pubmed/27759332>

194- Rahman MM, **Abd El-Aty AM**, Kim SW, Lee YJ, Na TW, Park JS, Shin HC, Shim JH. Simultaneous determination and identity confirmation of thiodicarb and its degradation product methomyl in animal-derived foodstuffs using high-performance liquid chromatography with fluorescence detection and tandem mass spectrometry. **Journal of Chromatography B** 2017 Jan 1; 1040: 97-104 (**Co-corresponding author**).

<https://www.ncbi.nlm.nih.gov/pubmed/27978474>

195- Lee YJ, Choi JH, **Abd El-Aty AM**, Chung HS, Lee HS, Kim SW, Rahman MM, Park BJ, Kim JE, Shin HC, Shim JH. Development of a single-run analytical method for the detection of ten multiclass emerging contaminants in agricultural soil using an acetate-buffered QuEChERS method coupled with LC-MS/MS. **Journal of Separation Science** 2017 Jan; 40(2): 415-423 (**Co-corresponding author**).

<https://www.ncbi.nlm.nih.gov/pubmed/27863002>

196- Hyung Suk Chung, **A. M. Abd El-Aty**, Sung Woo Kim, Han Sol Lee, Md. Musfiqur Rahman, Md. Humayun Kabir, Ho-Chul Shin, Jae-Han Shim. Simultaneous determination of sulfoxaflor and its metabolites, X11719474 and X11721061, in brown rice and rice straw after field application using LC-MS/MS. **International Journal of Environmental Analytical Chemistry** 2017 Feb, 97(2): 99-111(**Co-corresponding author**).

197- Rahman MM, **Abd El-Aty AM**, Kim SW, Na TW, Shin HC, Hong SM, Shim JH. A simple extraction method for the detection and quantification of polyoxin D, a nucleoside antibiotic, in butterbur using UPLC-MS/MS. **Food Chemistry** 2017 Apr 15; 221: 683-688 (**Co-corresponding author**).

<https://www.ncbi.nlm.nih.gov/pubmed/27979259>

198- Kabir MH, **Abd El-Aty AM**, Kim SW, Rahman MM, Chung HS, Lee HS, Shin HC, Shim JH. Decline pattern and risk assessment of cyenopyrafen in different varieties of Asian pear using liquid chromatography and tandem mass spectrometry. **Food Science and Biotechnology** 2017 Apr; 26(2): 537-543 (**Co-author**).

<https://www.ncbi.nlm.nih.gov/pubmed/30263576>

199- Kabir MH, **Abd El-Aty AM**, Rahman MM, Kim SW, Choi JH, Lee YJ, Truong LT, Lee KB, Kim MR, Shin HC, Shim JH. The disappearance rate and risk assessment of thiacloprid residues in Asian pear using liquid chromatography confirmed with tandem mass spectrometry. **Biomedical Chromatography** 2017 May; 31(5):e3861. DOI: 10.1002/bmc.3861 (**Co-corresponding author**).

<https://www.ncbi.nlm.nih.gov/pubmed/27696449>

200- Jung TW, Kim HC, [Abd El-Aty AM](#), Jeong JH. Protectin DX ameliorates palmitate- or high-fat diet-induced insulin resistance and inflammation through an AMPK-PPAR α -dependent pathway in mice. **Scientific Reports** 2017 May 3; **7**: 1397. DOI:10.1038/s41598-017-01603-9 (Co-author).

<https://www.ncbi.nlm.nih.gov/pubmed/28469249>

201- Desta KT, Kim GS, [Abd El-Aty AM](#), Raha S, Kim MB, Jeong JH, Warda M, Hacımüftüoğlu A, Shin HC, Shim JH, Shin SC. Flavone polyphenols dominate in *Thymus schimperi* Ronniger: LC-ESI-MS/MS characterization and study of anti-proliferative effects of plant extract on AGS and HepG2 cancer cells. **Journal of Chromatography B** 2017 May 15; **1053**: 1-8 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28411462>

202- Jung TW, Kim HC, [Abd El-Aty AM](#), Jeong JH. Protectin DX suppresses hepatic gluconeogenesis through AMPK-HO-1-mediated inhibition of ER stress. **Cellular Signalling** 2017 June 2; **34**: 133-140 (Co-author).

<https://www.ncbi.nlm.nih.gov/pubmed/28342842>

203- Kim SW, Rahman MM, [Abd El-Aty AM](#), Kabir MH, Na TW, Choi JH, Shin HC, Shim JH. Simultaneous detection of sulfoxaflo and its metabolites, X11719474 and X11721061, in lettuce using a modified QuEChERS extraction method and liquid chromatography-tandem mass spectrometry. **Biomedical Chromatography** 2017 June; **31**(6): e3885 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/27995654>

204- Zhang D, Park JA, Kim SK, Cho SH, Cho SM, Shim JH, Kim JS, [Abd El-Aty AM](#), Shin HC. Simple extraction method for quantification of phenothiazine residues in pork muscle using liquid chromatography-triple quadrupole tandem mass spectrometry. **Biomedical Chromatography** 2017 June; **31**(6): e3891 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/27862109>

205- Truong LT, [Abd El-Aty AM](#), Kim HJ, Rahman MM, Kim SW, Shin HC, Shim JH. Application of a solvent-free solid injection technique coupled with GC-MS for discrimination between the secondary metabolites of wild and cultivated South Korean medicinal foods. **Biomedical Chromatography** 2017 June; **31**(6): e3896 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/27859496>

206- Lee HS, Kim SW, [Abd El-Aty AM](#), Chung HS, Kabir MH, Rahman MM, Jeong JH, Chang BJ, Shin HC, Shim JH. Liquid chromatography-tandem mass spectrometry quantification of acetamiprid and thiacloprid residues in butterbur grown under regulated conditions. **Journal of Chromatography B** 2017 June 15; **1055-1056**: 172-177 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28494350>

207- Kabir MH, [Abd El-Aty AM](#), Rahman MM, Chung HS, Lee HS, Park SH, Hacımüftüoğlu F, Chang BJ, Shin HC, Shim JH. Dissipation pattern and risk quotients assessment of amisulbrom in Korean melon cultivated in plastic house conditions.

Environmental Monitoring and Assessment 2017 June; **189** (6): 302 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28560618>

208- Zheng W, Park JA, Zhang D, [Abd El-Aty AM](#), Kim SK, Cho SH, Choi JM, Shim JH, Chang BJ, Kim JS, Shin HC. Determination of fenobucarb residues in animal and aquatic food products using liquid chromatography-tandem mass spectrometry coupled with a QuEChERS extraction method. **Journal of Chromatography B** 2017 July 15; **1058**: 1-7 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28514648>

209- Kim SK, Park JA, Zhang D, Cho SH, Yi H, Cho SM, Chang BJ, Kim JS, Shim JH, [Abd El-Aty AM](#), Shin HC. Sustainability of CD24, cell proliferation and migration, cisplatin-resistance, and caspase-3 during mesenchymal-epithelial transition induced by the removal of TGF- β 1 in A549 lung cancer cells. **Oncology Letters** 2017 Aug; **14**(2):2410-2416 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28789457>

210- Kabir MH, Rahman MM, [Abd El-Aty AM](#), Chung HS, Lee HS, Park SH, Hacımüftüoğlu F, Chang BJ, Shin HC, Shim JH. Residue analysis of picoxystrobin in oriental melon using gas chromatography coupled with electron capture detection and mass spectrometric confirmation: Application to dissipation kinetics and risk assessment. **Food Science and Biotechnology** 2017 Aug; **26**(4): 1145-1153 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/30263647>

211- Rahman MM, [Abd El-Aty AM](#), Na TW, Park JS, Kabir MH, Chung HS, Lee HS, Shin HC, Shim JH. Simultaneous quantification of methiocarb and its metabolites, methiocarb sulfoxide and methiocarb sulfone, in five food products of animal origin using tandem mass spectrometry. **Journal of Chromatography B** 2017 Aug 15; **1060**: 387-394 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28666230>

212- Chung HS, Kabir MH, [Abd El-Aty AM](#), Lee HS, Rahman MM, Chang BJ, Shin HC, Shim JH. Dissipation kinetics and pre-harvest residue limit of pyriofenone in oriental melon (*Cucumis melo* Var. *makuwa*) grown under regulated climatic conditions. **Biomedical Chromatography** 2017 Oct; **31**(10): e3965 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28233340>

213- Zheng W, Park JA, [Abd El-Aty AM](#), Kim SK, Cho SH, Choi JM, Yi H, Cho SM, El-Banna HA, Shim JH, Chang BJ, Wang J, Kim JS, Shin HC. Bithionol residue analysis in animal-derived food products by an effective and rugged extraction method coupled with liquid chromatography-tandem mass spectrometry. **Journal of Chromatography B** 2017 Oct 1; **1064**: 100-108 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28918317>

214- Jeon JS, Kim HT, Jeong IH, Hong SR, Oh MS, Park KH, Shim JH, [Abd El-Aty AM](#). Determination of chlorogenic acids and caffeine in homemade brewed coffee prepared under various conditions. **Journal of Chromatography B** 2017 Oct 1; 1064: 115-123 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28918319>

215- Cho SH, Park JA, Zheng W, [Abd El-Aty AM](#), Kim SK, Choi JM, Yi H, Cho SM, Afifi NA, Shim JH, Chang BJ, Kim JS, Shin HC. Quantification of bupivacaine hydrochloride and isoflupredone acetate residues in porcine muscle, beef, milk, egg, shrimp, flatfish, and eel using a simplified extraction method coupled with liquid chromatography-triple quadrupole tandem mass spectrometry. **Journal of Chromatography B** 2017 Oct 15; 1065-1066: 29-34 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28946122>

216- Kabir MH, [Abd El-Aty AM](#), Rahman MM, Kim SW, Lee HS, Chung HS, Do JA, Jeong JH, Chang BJ, Chang MI, Shin HC, Shim JH. Dissipation kinetics, pre-harvest residue limits, and hazard quotient assessments of pesticides flubendiamide and fluopicolide in Korean melon (*Cucumis melo* L. var. *makuwa*) grown under regulated conditions in plastic greenhouses. **Environmental Science and Pollution Research** 2017 Oct; 24(28): 22241-22250 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28799066>

217- Kim IK, Kim SW, [Abd El-Aty AM](#), Rahman MM, Kabir MH, Lee HS, Chung HS, Jeong JH, Shin HC, Shim JH. Decline patterns and risk assessment of ten multi-class pesticides in young sprout amaranth (*Amaranthus mangostanus*) under greenhouse growing conditions. **Environmental Science and Pollution Research** 2017 Nov; 24(32): 24880-24895 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28918593>

218- Zhang D, Park JA, [Abd El-Aty AM](#), Kim SK, Cho SH, Zheng W, Choi JM, Shim JH, Chang BJ, Kim JS, Shin HC. Analysis of toldimfos in porcine muscle and bovine milk using liquid chromatography-triple quadrupole mass spectrometry. **Biomedical Chromatography** 2017 Nov; 31(11):e3996. (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28449378>

219- Jiang ZJ, Cao XL, Li H, Zhang C, [Abd El-Aty AM](#), Jin F, Shao H, Jin MJ, Wang SS, She YX, Wang J. Fast determination of alkylphenol ethoxylates in leafy vegetables using a modified QuEChERS and ultra-high performance supercritical fluid chromatography-tandem mass spectrometry. **Journal of Chromatography A** Nov. 24, 2017; 1525; 161-172. (Co-author)

<https://www.ncbi.nlm.nih.gov/pubmed/29056272>

220- Zhang D, Park JA, [Abd El-Aty AM](#), Kim SK, Cho SH, Wang Y, Shim JH, Jeong JH, Shin SC, Kim JS, Chang BJ, Shin HC. Residual detection of buparvaquone, nystatin and etomidate in animal-derived food products in a single chromatographic run using liquid chromatography-tandem mass spectrometry. **Food Chemistry** 2017 Dec 15; 237: 1202-1208 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28763970>

221- Li H, Jiang Z, Cao X, Su H, Shao H, Jin F, [Abd El-Aty AM](#), Wang J. Simultaneous determination of three pesticide adjuvant residues in plant-derived agro-products using liquid chromatography-tandem mass spectrometry. **Journal of Chromatography A** 2017 Dec 15; 1528C: 53-60 (Co-author).

<https://www.ncbi.nlm.nih.gov/pubmed/29103596>

222- Chung HS, Lee YJ, Rahman MM, [Abd El-Aty AM](#), Lee HS, Kabir MH, Kim SW, Park BJ, Kim JE, Hacımüftüoğlu F, Nahar N, Shin HC, Shim JH. Uptake of the veterinary antibiotics chlortetracycline, enrofloxacin, and sulphathiazole from soil by radish. **Science of the Total Environment** 2017 Dec 15; 605-606C: 322-331 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28668743>

223- Choi JY, Desta KT, Saralamma VVG, Lee SJ, Lee SJ, Kim SM, Paramanatham A, Lee HJ, Kim YH, Shin HC, Shim JH, Warda M, Hacımüftüoğlu A, Jeong JH, Shin SC, Kim GS, [Abd El-Aty AM](#). LC-MS/MS characterization, anti-inflammatory effects, and antioxidant activities of polyphenols from different tissues of Korean *Petasites japonicus* (Meowi). **Biomedical Chromatography** 2017 Dec; 31(12):e4033 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28623844>

224- Nam SH, Park J, Jun W, Kim D, Ko JA, [Abd El-Aty AM](#), Choi JY, Kim DI, Yang KY. Transglycosylation of gallic acid by using *Leuconostoc* glucansucrase and its characterization as a functional cosmetic agent. **AMB Express** 2017 Dec 22; 7:224.

<https://doi.org/10.1186/s13568-017-0523-x> (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/29273963>

2018

225- Zheng W, Park JA, [Abd El-Aty AM](#), Kim SK, Cho SH, Choi JM, Yi H, Cho SM, Ramadan A, Jeong JH, Shim JH, Shin HC. Development and validation of modified QuEChERS method coupled with LC-MS/MS for simultaneous determination of cymiazole, fipronil, coumaphos, fluvalinate, amitraz, and its metabolite in various types of honey and royal jelly. **Journal of Chromatography B** 2018 Jan 1; 1072C: 60-69 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/29136552>

226- Farha W, [Abd El-Aty AM](#), Rahman MM, Jeong JH, Shin HC, Wang J, Shin SS, Shim JH. Analytical approach, dissipation pattern, and risk assessment of pesticide residue in green leafy vegetables: A comprehensive review. **Biomedical Chromatography** 2018 Jan; 32(1): e4134 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/29134675>

227- Rahman MM, [Abd El-Aty AM](#), Kabir MH, Chung HS, Lee HS, Hacımüftüoğlu F, Jeong JH, Chang BJ, Shin HC, Shim JH. A quick and effective methodology for analyzing dinotefuran and its highly polar metabolites in plum using liquid chromatography-tandem mass spectrometry. **Food Chemistry** 2018 Jan 15; 239: 1235-1243 (Co-corresponding author).

<https://www.ncbi.nlm.nih.gov/pubmed/28873545>

- 228- Zhang C, Du P, Jiang Z, Jin M, Chen G, Cao X, Cui X, Zhang Y, Li R, **Abd El-Aty AM**, Wang J. A simple and sensitive competitive bio-barcode immunoassay for triazophos based on multi-modified gold nanoparticles and fluorescent signal amplification. **Analytica Chimica Acta** 2018 Jan 25; 999: 123-131 (Co-author)
<https://www.ncbi.nlm.nih.gov/pubmed/29254562>
- 229- Kabir MH, **Abd El-Aty AM**, Rahman MM, Chung HS, Lee HS, Jeong JH, Wang J, Shin S, Shin HC, Shim JH. Dissipation kinetics, pre-harvest residue limits, and dietary risk assessment of the systemic fungicide metalaxyl in Swiss chard grown under greenhouse conditions. **Regulatory Toxicology and Pharmacology** 2018 Feb; 92: 201-206 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29233770>
- 230- Kabir MH, **Abd El-Aty AM**, Rahman MM, Chung HS, Lee HS, Kim MR, Chang BJ, Wang J, Shin HC, Shim JH. Residual dynamic and risk assessment of dimethomorph in Swiss chard grown in two different sites. **Biomedical Chromatography** 2018 Feb; 32(2): e4053 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/28731579>
- 231- Farha W, **Abd El-Aty AM**, Rahman MM, Kabir MH, Chung HS, Lee HS, Jeon JS, Wang J, Chang BJ, Shin HC, Shim JH. Dynamic residual pattern of azoxystrobin in Swiss chard with contribution to safety evaluation. **Biomedical Chromatography** 2018 Feb; 32(2): e4092 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/28921606>
- 232- Zhai X, Yang X, Zou P, Shao Y, Yuan S, **Abd El-Aty AM**, Wang J. Protective effect of chitosan oligosaccharides against cyclophosphamide-induced immunosuppression and irradiation injury in mice. **Journal of Food Science** 2018 Feb; 83 (2): 535-542 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/29350748>
- 233- Hui Li, Zejun Jiang, Xiaolin Cao, Hang Su, Hua Shao, Fen Jin, Lufei Zheng, **A.M. Abd El-Aty**, Jing Wang. SPE/GC-MS determination of 2-pyrrolidone, N-methyl-2-pyrrolidone, and N-ethyl-2-pyrrolidone in liquid pesticide formulations. **Chromatographia** 2018 Feb; 81 (2): 359-364 (Co-author).
- 234- Kim YA, **Abd El-Aty AM**, Rahman MM, Jeong JH, Shin HC, Wang J, Shin S, Shim JH. Method development, matrix effect, and risk assessment of 49 multiclass pesticides in kiwifruit using liquid chromatography coupled to tandem mass spectrometry. **Journal of Chromatography B** 2018 Feb 15; 1076: 130-138 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29406026>
- 235- Jung TW, Kim ST, Lee JH, Chae SI, Hwang KW, Chung YH, Kim HC, **Abd El-Aty AM**, Lee TJ, Park ES, Jeong JH. Phosphatidylcholine Causes Lipolysis and Apoptosis in Adipocytes through the Tumor Necrosis Factor Alpha-Dependent Pathway. **Pharmacology** 2018 Feb, Vol.101, No. 3-4, 101:111–119. <https://doi.org/10.1159/000481571>. ISSN: 0031-7012 (Print) (Co-author)
<https://www.ncbi.nlm.nih.gov/pubmed/29186713>

- 236 – Kabir MH, [Abd El-Aty AM](#), Rahman MM, Chung HS, Lee HS, Kim SW, Chang HR, Shin HC, Shin SS, Shim JH. Chromatographic determination, decline dynamic, and risk assessment of sulfoxaflo in Asian pear and oriental melon. **Biomedical Chromatography** 2018 March; 32(3): e4101 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/28975659>
- 237- Jung TW, Kim HC, [Abd El-Aty AM](#), Jeong JH. Maresin 1 attenuates NAFLD by suppression of endoplasmic reticulum stress via AMPK-SERCA2b pathway. **Journal of Biological Chemistry** 2018 March 16;293(11): 3981-3988. (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/29414781>
- 238- Zheng W, Park JA, [Abd El-Aty AM](#), Kim SK, Cho SH, Choi JM, Warda M, Wang J, Shim JH, Shin HC. Development and validation of a simple solid-phase extraction method coupled with liquid chromatography–triple quadrupole tandem mass spectrometry for simultaneous determination of lincomycin, tylosin A, and tylosin B in royal jelly. **Biomedical Chromatography** 2018 April; 32(4): e4145 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29164636>
- 239- Choi JY, Desta KT, Lee SJ, Kim YH, Shin SC, Kim GS, Lee SJ, Shim JH, Hacımuftüoğlu A, [Abd El-Aty AM](#). LC-MS/MS profiling of polyphenol-enriched leaf, stem, and root extracts of Korean *Humulus japonicus* Siebold & Zucc and determination of their antioxidant effects. **Biomedical Chromatography** 2018 May; 32(5): e4171 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29240230>
- 240- Zhai X, Yuan S, Yang X, Zou P, Shao Y, [Abd El-Aty AM](#), Hacımuftüoğlu A, Wang J. Growth-inhibition of S180 residual-tumor by combination of cyclophosphamide and chitosan oligosaccharides *in vivo*. **Life Sciences** 2018 June 1; 202: 21–27 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/29626528>
- 241- Jung TW, Kyung EJ, Kim HC, Shin YK, Lee SH, Park ES, Hacımuftuoğlu A, [Abd El-Aty AM](#), Jeong JH. Protectin DX ameliorates hepatic steatosis by suppression of endoplasmic reticulum stress via AMPK-induced ORP150 expression. **Journal of Pharmacology and Experimental Therapeutics** 2018 Jun; 365(3): 485-493 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29572342>
- 242- Park JA, [Abd El-Aty AM](#), Zheng W, Kim SK, Choi JM, Hacımuftüoğlu A, Shim JH, Shin HC. Determination of metoserpate, buquinolate, and diclofenac in pork, eggs, and milk using liquid chromatography-tandem mass spectrometry. **Biomedical Chromatography** 2018 June; 32(6): e4215 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29473195>
- 243- Park JA, [Abd El-Aty AM](#), Zheng W, Kim SK, Cho SH, Choi JM, Hacımuftüoğlu A, Jeong JH, Wang J, Shim JH, Shin HC. Simultaneous determination of clanobutin, dichlorvos, and naftazone in pork, beef, chicken, milk, and egg using liquid chromatography-tandem mass spectrometry. **Food Chemistry** 2018 Jun 30;252:40-48 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29478562>

- 244- Jung TW, Chung YH, Kim HC, [Abd El-Aty AM](#), Jeong JH. LECT2 promotes inflammation and insulin resistance in adipocytes via P38 pathways. **Journal of Molecular Endocrinology** 2018 July; **61(1): 37-45 (Co-corresponding author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/29650721>
- 245- Jung TW, Chung YH, Kim HC, [Abd El-Aty AM](#), Jeong JH. Hyperlipidemia-induced hepassocin in the liver contributes to insulin resistance in skeletal muscle. **Molecular and Cellular Endocrinology** 2018 July 15; **470: 26-33 (Co-corresponding author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/29111387>
- 246- Taghizadehghalehjoughi A, Hacimuftuoglu A, Cetin M, Ugur AB, Galateanu B, Mezhuev Y, Okkay U, Taspinar N, Taspinar M, Uyanik A, Gundogdu B, Mohammadzadeh M, Nalci KA, Stivaktakis P, Tsatsakis A, Jung TW, Jeong JH, [Abd El-Aty AM](#). **Nanomedicine** 2018 July 20; **13(13): 1595-1606 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30028222>
- 247- Jung TW, Kang C, Goh J, Chae SI, Kim HC, Lee TJ, [Abd El-Aty AM](#), Jeong JH. WISP1 promotes non-alcoholic fatty liver disease and skeletal muscle insulin resistance via TLR4/JNK signaling. **Journal of Cellular Physiology** 2018 August; **233(8): 6077-6087 (Co-corresponding author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/29319180>
- 248- Zheng W, [Abd El-Aty AM](#), Kim SK, Choi JM, Hacimüftüoğlu A, Shim JH, Kang YS, Shin HC. Quantification of artesunate and its metabolite, dihydroartemisinin, in animal products using liquid chromatography-tandem mass spectrometry. **Journal of Separation Science** 2018 Sep 19; **41(18): 3538-3546 (Co-corresponding author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30062857>
- 249- Jung TW, Lee SH, Kim HC, Bang JS, [Abd El-Aty AM](#), Hacimüftüoğlu A, Shin YK, Jeong JH. METRNL attenuates lipid-induced inflammation and insulin resistance via AMPK or PPAR δ -dependent pathways in skeletal muscle of mice. **Experimental and Molecular Medicine** 2018 Sep 13; **50(9):122. doi: 10.1038/s12276-018-0147-5 (Co-author)**
<https://www.ncbi.nlm.nih.gov/pubmed/30213948>
- 250- Lee HS, Rahman MM, Chung HS, Kabir H, Yoon KS, Cho SK, [Abd El-Aty AM](#), Shim JH. An effective methodology for simultaneous quantification of thiophanate-methyl and its metabolite, carbendazim, in pear using LC-MS/MS. **Journal of Chromatography B** 2018 Sep. 15; **1095: 1-7 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30031944>
- 251- Jung TW, Chung YH, Kim HC, [Abd El-Aty AM](#), Jeong JH. Protectin DX attenuates LPS-induced inflammation and insulin resistance in adipocytes via AMPK-mediated suppression of the NF κ B pathway. **American Journal of Physiology-Endocrinology and Metabolism** 2018 Oct 1; **315(4):E543-E551. doi: 10.1152/ajpendo.00408.2017 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/29584445>

252- Rahman MM, Lee HS, [Abd El-Aty AM](#), Kabir MH, Chung HS, Park JH, Kim MR, Kim JH, Shin HC, Shin SS, Shim JH. Determination of endrin and δ -keto endrin in five food products of animal origin using GC- μ ECD: A modified QuEChERS approach to traditional detection. **Food Chemistry** 2018 Oct 15;263: 59-66 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/29784328>

253- Zheng L, Zhang C, Ma J, Hong S, She Y, [Abd El-Aty AM](#), Yahui He, Yu H, Liu H, Wang J. Fabrication of a highly sensitive electrochemical sensor based on electropolymerized molecularly imprinted polymer hybrid nanocomposites for the determination of 4-nonylphenol in packaged milk samples. **Analytical Biochemistry** 2018 Oct 15; 559: 44-50 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/30142330>

254- Zheng W, Choi JM, Kim SK, Shim JH, Kang YS, [Abd El-Aty AM](#), Hacımüftüoğlu A, Shin HC. Determination of halquinol residual levels in animal-derived food products using liquid chromatography-tandem mass spectrometry. **Biomedical Chromatography** 2018 Nov; 32(11): e4339 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/30001571>

255- Jiang Z, Cao X, Li H, Zhang C, [Abd El-Aty AM](#), Jeong JH, Shao Y, Shao H, Jin M, Jin F, Wang J. Rapid analysis of tristyrylphenol ethoxylates in cucumber-field system using supercritical fluid chromatography-tandem mass spectrometry. **Food Chemistry** 2018 Nov 15; 266: 119-125 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/30381166>

256- Hui Li, Zhen Cao, Xiaolin Cao, Zejun Jiang, [A. M. Abd El-Aty](#), Yan Qi, Shao Hua, Fen Jin, Lufei Zheng, Jing Wang. Magnetic solid-phase extraction using a mixture of two types of nanoparticles followed by gas chromatography-mass spectrometry for the determination of six phthalic acid esters in various water samples. **RSC Advances** 2018, 8, 39641-39649 (Co-author).

2019

257- Wang M, Su K, Cao J, She Y, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J, Yan M, Hong S, Lao S, Wang Y. "Off-On" non-enzymatic sensor for malathion detection based on fluorescence resonance energy transfer between β -cyclodextrin@Ag and fluorescent probe. **Talanta** 2019 Jan 15; 192: 295-300 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/30348392>

258- Zheng W, Yoo KH, Choi JM, Park DH, Kim SK, Kang YS, [Abd El-Aty AM](#), Hacımüftüoğlu A, Jeong JH, Bekhit AE, Shim JH, Shin HC. A modified QuEChERS method coupled with liquid chromatography-tandem mass 2 spectrometry for the simultaneous detection and quantification of scopolamine, L3 hyoscyamine, and sparteine residues in animal-derived food products. **Journal of Advanced Research** 2019 Jan; 15: 95-102 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/30581617>

- 259- Zheng W, Yoo KH, Choi JM, Park DH, Kim SK, Kang YS, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J, Shim JH, Shin HC. Residual detection of naproxen, methyltestosterone, and 17 α -hydroxyprogesterone caproate in aquatic products by simple liquid-liquid extraction method coupled with liquid chromatography-tandem mass spectrometry. **Biomedical Chromatography Jan 2019; 33(1):e4396 (Co-corresponding author)**
<https://www.ncbi.nlm.nih.gov/pubmed/30246262>
- 260- Zhang H, Birch J, Pei J, Mohamed Ahmed IA, Yang H, Dias G, [Abd El-Aty AM](#), Bekhit AE. Identification of Six Phytochemical Compounds from *Asparagus officinalis* L. Root Cultivars from New Zealand and China Using UAE-SPE-UPLC-MS/MS: Effects of Extracts on H₂O₂-Induced Oxidative Stress. **Nutrients 2019 Jan 7;11(1). pii: E107. doi: 10.3390/nu11010107 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30621005>
- 261- Zhai X, Yuan S, Yang X, Zou P, Li L, Li G, Shao Y, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J. Chitosan oligosaccharides induce apoptosis in human renal carcinoma via ROS-dependent ER stress. **Journal of Agricultural and Food Chemistry 2019 Feb 13; 67 (6): 1691–1701 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30658530>
- 262- Tan S, Yu H, He Y, Wang M, Liu G, Hong S, Yan F, Wang Y, Wang M, Li T, Wang J, [Abd El-Aty AM](#), Hacımüftüoğlu A, She Y. A dummy molecularly imprinted solid-phase extraction coupled with liquid chromatography-tandem mass spectrometry for selective determination of four pyridine carboxylic acid herbicides in milk. **Journal of Chromatography B 2019 Feb 15; 1108: 65-72 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30685593>
- 263- Yan M, She Y, Cao X, Ma J, Chen G, Hong S, Shao Y, [Abd El-Aty AM](#), Wang M, Wang J. A molecularly imprinted polymer with integrated gold nanoparticles for surface enhanced Raman scattering based detection of the triazine herbicides prometryn and simetryn. **Microchimica Acta March 2019; 186: 143 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30834981>
- 264- Hong S, She Y, Cao X, Wang M, He Y, Zheng L, Wang S, [Abd El-Aty AM](#), Hacımüftüoğlu A, Yan M, Wang J. A novel CdSe/ZnS quantum dots fluorescence assay based on molecularly imprinted sensitive membranes for determination of triazophos residues in cabbage and apple. **Frontiers in Chemistry, section Analytical Chemistry March 2019; 7: 130 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30937301>
- 265- Zheng W, Yoo KH, [Abd El-Aty AM](#), Park DH, Choi JM, Kim SK, Kang YS, Zhang H, Hacımüftüoğlu A, Bekhit AE, Wang J, Shim JH, Shin HC. Quantitative determination of carbasalate calcium derived metabolites, acetylsalicylic acid and salicylic acid, in six animal foods using liquid-liquid extraction method coupled with liquid chromatography-tandem mass spectrometry. **Food Chemistry April 2019; 278: 744-750 (Co-corresponding author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30583437>

- 266- Jung TW, Park T, Park J, Kim U, Je HD, Kim HD, Cho SW, [Abd El-Aty AM](#), Song JH, Kim HC, Shin YK, Jeong JH. Phosphatidylcholine causes adipocyte-specific lipolysis and apoptosis in adipose and muscle tissues. **PLoS One** 2019 Apr 8;14(4):e0214760. doi: [10.1371/journal.pone](https://doi.org/10.1371/journal.pone) (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/30958839>
- 267- Yun Liao, Xueyan Cui, Ge Chen, Yuanshang Wang, Guoxin Qinc, Mingjie Li, Xiuyuan Zhang, Yudan Zhang, Chan Zhang, Pengfei Du, Feiyan Yan, [A. M. Abd El-Aty](#), Jing Wang, Chenghui Zhanga, Maojun Jin. Simple and Sensitive Detection of Triazophos Pesticide by Using Quantum Dots 2 Nanobeads Based on Immunoassay. **Food and Agricultural Immunology** 2019; 30 (1): 522-532 (Co-author).
- 268- Jeon JS, Kim HT, Jeong IH, Hong SR, Oh MS, Yoon MH, Shim JH, Jeong JH, [Abd El-Aty AM](#). Contents of chlorogenic acids and caffeine in various coffee-related products. **Journal of Advanced Research** 2019 May; 17: 85-94 (Corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/31193351>
- 269- Zheng W, [Abd El-Aty AM](#), Kim SK, Choi JM, Park DH, Yoo KH, Kang YS, Jeon JS, Hacımüftüoğlu A, Shim JH, Shin HC. Development and validation of a solid-phase extraction method coupled with LC-MS/MS for the simultaneous determination of 16 antibiotic residues in duck meat. **Biomedical Chromatography** 2019 May; 33(5): e4501 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/30702178>
- 270- Qi Y, Cao X, [Abd El-Aty AM](#), Ma C, Li H, Jiang Z, She Y, Wang S, Wang J, Yang S. A Magnetic Zeolitic Imidazolate Framework Nanohybrid for Fast and Efficient Extraction of Clothianidin, Imidacloprid, Acetamiprid, and Thiacloprid in Water. **Journal of Nanoscience and Nanotechnology** 2019 Jun 1;19(6):3310-3318 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/30744758>
- 271- Yu H, He Y, She Y, Wang M, Yan Z, Ren JH, Cao Z, Shao Y, Wang S, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J. Preparation of molecularly imprinted polymers coupled with high-performance liquid chromatography for the selective extraction of salidroside from *Rhodiola crenulata*. **Journal of Chromatography B** 2019 June 15; 1118–1119, 180-186 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31054452>
- 272- Chen G, Jin M, Yan M, Cui X, Wang Y, Zheng W, Qin G, Zhang Y, Li M, Liao Y, Zhang X, Yan F, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J. Colorimetric bio-barcode immunoassay for parathion based on amplification by using platinum nanoparticles acting as a nanozyme. **Microchimica Acta** 2019 June; 186(6):339 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31073796>
- 273- Zheng W, Choi JM, [Abd El-Aty AM](#), Yoo KH, Park DH, Kim SK, Kang YS, Hacımüftüoğlu A, Wang J, Shim JH, Shin HC. Simultaneous determination of spinosad, temephos, and piperonyl butoxide in animal- derived foods using LC-MS/MS. **Biomedical Chromatography** 2019 June; 33(6):e4493 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/30663083>

- 274- Cao J, Wang M, She Y, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J, Yan M, Hong S, Lao S, Wang Y. Rapid colorimetric determination of the pesticides carbofuran and dichlorvos by exploiting their inhibitory effect on the aggregation of peroxidase-mimicking platinum nanoparticles. **Microchimica Acta** 2019 June; **186(6): 390 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/31152243>
- 275- Jung TW, Kim HC, Shin YK, Min H, Cho SW, Kim ZS, Han SM, [Abd El-Aty AM](#), Hacımüftüoğlu A, Jeong JH. *Humulus japonicus* stimulates thermogenesis and ameliorates oxidative stress in mouse adipocytes. **Journal of Molecular Endocrinology** 2019 July; **63(1): 1-9 (Co-author)**
<https://www.ncbi.nlm.nih.gov/pubmed/30978698>
- 276- Choi JM, Zheng W, [Abd El-Aty AM](#), Kim SK, Park DH, Yoo KH, Lee GH, Baranenko DA, Hacımüftüoğlu A, Jeong JH, Kang YS, Shin HC. Residue analysis of tebufenozide and indoxacarb in chicken muscle, milk, egg, and aquatic animal products using liquid chromatography-tandem mass spectrometry. **Biomedical Chromatography** 2019 July;**33(7):e4522 (Co-corresponding author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30821836>
- 277- Ma X, Lin H, He Y, She Y, Wang M, [Abd El-Aty AM](#), Afifi NA, Han J, Zhou X, Wang J, Zhang J. Magnetic molecularly imprinted polymers doped with graphene oxide for the selective recognition and extraction of four flavonoids from *Rhododendron* species. **Journal of Chromatography A** 2019 Aug 2; **1598: 39-48 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/30940357>
- 278- Yan M, Chen G, She Y, Ma J, Hong S, Shao Y, [Abd El-Aty AM](#), Wang M, Wang S, Wang J. A Sensitive and Simple Competitive Biomimetic Nanozyme-Linked Immunosorbent Assay for Colorimetric and SERS Sensing of Triazophos. **Journal of Agricultural and Food Chemistry** Aug 28, 2019; **67 (34): 9658-9666 (Co-author)**.
<https://www.ncbi.nlm.nih.gov/pubmed/31381330>
- 279- Zhao M, Shao H, He Y, Li H, Yan M, Jiang Z, Wang J, [Abd El-Aty AM](#), Hacımüftüoğlu A, Yan F, Wang Y, She Y. The determination of patulin from food samples using dual-dummy molecularly imprinted solid-phase extraction coupled with LC-MS/MS. **Journal of Chromatography B** 2019 Sep1; **1125: 121714 (Co-author)**.
- 280- Yahui He, Sijia Tan, [A. M. Abd El-Aty](#), Ahmet Hacımüftüoğlu, Yongxin She. Magnetic molecularly imprinted polymers for the detection of aminopyralid in milk using dispersive solid-phase extraction. **RSC Advances** 2019 Sep. 23; **9 (51): 29998-30006 (Co-author)**.
- 281- Jung TW, Ahn SH, Shin JW, Kim HC, Park ES, [Abd El-Aty AM](#), Hacımüftüoğlu A, Song KH, Jeong JH. Protectin DX ameliorates palmitate-induced hepatic insulin resistance through AMPK/SIRT1-mediated modulation of fetuin-A and SeP expression. **Clinical and Experimental Pharmacology and Physiology** 2019 Oct;**46(10):898-909 (Co-corresponding author)**
<https://www.ncbi.nlm.nih.gov/pubmed/31246318>

282- Wang Y, Jin M, Chen G, Cui X, Zhang Y, Li M, Liao Y, Zhang X, Qin G, Yan F, **Abd El-Aty AM**, Wang J. Bio-barcode detection technology and its research applications: A review. **Journal of Advanced Research** 2019 Nov; 20: 23-32 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31193255>

283- He Y, Zhao F, Zhang C, **Abd El-Aty AM**, Baranenko DA, Hacimüftüoğlu A, She Y. Assessment of magnetic core-shell mesoporous molecularly imprinted polymers for selective recognition of triazoles residual levels in cucumber. **Journal of Chromatography B** 2019 Nov 15; 1132C: 121811 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31710973>

284- Cui X, Jin M, Zhang C, Du P, Chen G, Qin G, Jiang Z, Zhang Y, Li M, Liao Y, Wang Y, Cao Z, Yan F, **Abd El-Aty AM**, Wang J. Enhancing the sensitivity of the bio-barcode immunoassay for triazophos detection based on nanoparticles and droplet digital polymerase chain reaction. **Journal of Agricultural and Food Chemistry** 2019 Nov 20; 67 (46): 12936-12944 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31670953>

2020

285- He Y, Zeng S, **Abd El-Aty AM**, Hacimüftüoğlu A, Kalekristos Yohannes W, Khan M, She Y. Development of Water-Compatible Molecularly Imprinted Polymers Based on Functionalized β -Cyclodextrin for Controlled Release of Atropine. **Polymers (Basel)**. 2020 Jan 6;12(1). pii: E130. doi: 10.3390/polym12010130 (Co-corresponding author).
<https://www.ncbi.nlm.nih.gov/pubmed/31935897>

286- Chen G, Jin M, Ma J, Yan M, Cui X, Wang Y, Zhang X, Li H, Zheng W, Zhang Y, **Abd El-Aty AM**, Hacimüftüoğlu A, Wang J. A competitive bio-barcode immunoassay for highly sensitive detection of parathion based on bimetallic nanozyme catalysis. **Journal of Agricultural and Food Chemistry** 2020 Jan 15; 68(2): 660-668 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31804828>

287- Gundogdu G, Senol O, Miloglu FD, Koza Y, Gundogdu F, Hacimüftüoğlu A, **Abd El-Aty AM**. Serum metabolite profiling of ST-segment elevation myocardial infarction using liquid chromatography quadrupole time-of-flight mass spectrometry. **Biomedical Chromatography** 2020 Feb; 34(2): e4738 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31677392>

288- Zhao M, Shao H, Ma J, Li H, He Y, Wang M, Jin F, Wang J, **Abd El-Aty AM**, Hacimüftüoğlu A, Yan F, Wang Y, She Y. Preparation of core-shell magnetic molecularly imprinted polymers for extraction of patulin from juice samples. **Journal of Chromatography A** 2020 March 29; 1615: 460751 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31864724>

289- Jinjin PEI, Xiaoying GOU, **A. M. ABD EL-ATY**, Denis A. BARANENKO, Wengang JIN, Hongxia ZHANG, Jingzhang GENG, Lei JIANG, Xinsheng LI, Tianli YUE. Isolation, purification, and structural identification of a new bacteriocin made by *Lactobacillus plantarum* found in conventional kombucha. **Food Control** 2020 April; 110: 106923 (Co-author).

- 290- He Y, Meng M, Yohannes WK, Khan M, Wang M, [Abd El-Aty AM](#), Hacımüftüoğlu F, He Y, Gao L, She Y. Dissipation pattern and residual levels of boscalid in cucumber and soil using liquid chromatography-tandem mass spectrometry. **Journal of Environmental Science and Health, Part B** 2020 April; 55(4); 388-395 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/31868560>
- 291- Qi Y, Wan M, [Abd El-Aty AM](#), Li H, Cao L, She Y, Shao Y, Jin F, Wang S, Wang J. A “half” core-shell magnetic nanohybrid composed of zeolitic imidazolate framework and graphitic carbon nitride for magnetic solid-phase extraction of fifteen sulfonylurea herbicides from water samples followed by LC-MS/MS detection. **Microchimica Acta** 2020 Apr 20;187(5):279. doi: 10.1007/s00604-020-04243-5 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/32314246>
- 292- Yahui He, Sihui Hong, Miao Wang, Jing Wang, [A. M. Abd El-Aty](#), Jing Wang, Ahmet Hacımüftüoğlu, Khan Majid and Yongxin She. Development of a fluorescent lateral flow strips based on electrospinning molecular imprinting membrane for detection of triazophos residues in tap water. **New Journal of Chemistry** 2020 April 21; 44 (15): 6026-6036 (Co-author). DOI: 10.1039/D0NJ00269K
- 293- Zhang X, Du P, Cui X, Chen G, Wang Y, Zhang Y, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J, He H, Jin M, Hammock B. A sensitive fluorometric bio-barcode immunoassay for detection of triazophos residue in agricultural products and water samples by iterative cycles of DNA-RNA hybridization and dissociation of fluorophores by Ribonuclease H. **Science of the Total Environment** 2020 May 15; 717: 137268 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/32084695>
- 294- Xingchen Zhai, Min Zhang, Pan Chen, Thanawat Siriphithakyothin, Jingyi Liu, Haitian Zhao, Xin Yang, [A. M. Abd El-Aty](#), Denis A. Baranenko, Ahmet Hacımüftüoğlu, Jing Wang. Oligochitosan-modified three-dimensional graphene free-standing electrode for electrochemical detection of imidacloprid insecticide. **Journal of the Chinese Chemical Society** 2020 June;67 (6):1078–1088 (Co-author).
- 295- Ma X, Zhang X, Lin H, [Abd El-Aty AM](#), Rabah T, Liu X, Yu Z, Yong Y, Ju X, Yongxin S. Magnetic molecularly imprinted specific solid-phase extraction for determination of dihydroquercetin from *Larix griffithiana* using HPLC. **Journal of Separation Science** 2020 June; 43(12):2301-2310 (Co-author).
<https://www.ncbi.nlm.nih.gov/pubmed/32191398>
- 296- Sun JL, [Abd El-Aty AM](#), Jeong JH, Jung TW. Ginsenoside Rb2 Ameliorates LPS-Induced Inflammation and ER Stress in HUVECs and THP-1 Cells via the AMPK-Mediated Pathway. **The American Journal of Chinese Medicine** 2020, 48(4): 967-985. doi: 10.1142/S0192415X20500469 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/32431178>
- 297- Cao J, Wang M, Yu H, She Y, Cao Z, Ye J, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J, Lao S. An overview on the mechanisms and applications of enzyme inhibition-based methods for determination of organophosphate and carbamate pesticides. **Journal of Agricultural and Food Chemistry** 2020 Jul 15;68(28):7298-7315 (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/32551623/>

298- Kim US, Park JW, Park ES, Bang JS, Jung TW, Kim DS, **Abd El-Aty AM**, Lee JH, Jeong JH. The Suppressive Effect of Leucine-Rich Glioma Inactivated 3 (LGI3) Peptide on Impaired Skin Barrier Function in a Murine Model Atopic Dermatitis. **Pharmaceutics** 2020, **12(8)**, 750; doi:10.3390/pharmaceutics12080750 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/32785038/>

299- Kwon CH, Sun JL, Kim MJ, **Abd El-Aty AM**, Jeong JH, Jung TW. Clinically confirmed DEL-1 as a myokine attenuates lipid-induced inflammation and insulin resistance in 3T3-L1 adipocytes via AMPK/HO-1- pathway. **Adipocyte** 2020;**9(1)**:576-586 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/32954935/>

300- Zhang C, Jiang Z, Jin M, Du P, Chen G, Cui X, Zhang Y, Qin G, Yan F, **Abd El-Aty AM**, Hacimüftüoğlu A, Wang J. Fluorescence immunoassay for multiplex detection of organophosphate pesticides in agro-products based on signal amplification of gold nanoparticles and oligonucleotides. **Food Chemistry** 2020 Oct 1; **326**: 126813 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/32438234/>

301- Xingchen Zhai, Pan Chen, Weiqiang Cao, Jia Liu, **A. M. Abd El-Aty**, Ahmet Hacimüftüoğlu, Xin Yang. Preparation of three-dimensional graphene free-standing electrochemical sensor and its potential application in glucose determination. **Journal of Iranian Chemical Society** 2020 Nov, **17(11)**: 2845-2853.

302- Jung TW, Park J, Sun JL, Ahn SH, **Abd El-Aty AM**, Hacimuftuoglu A, Kim HC, Shim JH, Shin SS, Jeong JH. Administration of kynurenic acid reduces hyperlipidemia-induced inflammation and insulin resistance in skeletal muscle and adipocytes. **Molecular and Cellular Endocrinology** 2020 Dec 1; **518**: 110928 (Co-corresponding author).
<https://pubmed.ncbi.nlm.nih.gov/32702471/>

303- Boulkrane MS, Ilina V, Melchakov R, Fedotova J, Drago F, Gozzo L, Das UN, **Abd El-Aty AM**, Baranenko D. COVID-19 Disease and Vitamin D: A Mini-Review. **frontiers in Pharmacology** 2020 Dec;**11**: 604579 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/33390994/>

2021

304- Kang X, Yu B, Zhang H, Sui J, Guo L, **Abd El-Aty AM**, Cui B. The formation and *in vitro* enzymatic digestibility of starch-lipid complexes in steamed bread free from and supplemented with different fatty acids: Effect on textural and retrogradation properties during storage. **International Journal of Biological Macromolecules** 2021 Jan 1;**166**: 1210-1219 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/33157138/>

305- Desta KT, **Abd El-Aty AM**. Triterpenoid and saponin rich *Phytolacca dodecandra* L'Herit(Endod): A review on its phytochemistry and pharmacological properties. **Mini-Reviews in Medicinal Chemistry** 2021; **21(1)**; 23-34 (Co-corresponding author).

<https://pubmed.ncbi.nlm.nih.gov/32552643/>

306- Dong J, Li Z, Wang Y, Jin M, Shen Y, Xu Z, [Abd El-Aty AM](#), Gee SJ, Hammock BD, Sun Y, Wang H. Generation of functional single-chain fragment variable from hybridoma and development of chemiluminescence enzyme immunoassay for determination of total malachite green in tilapia fish. **Food Chemistry** 2021 Feb. 1, 337: 127780 (**Co-author**).
<https://pubmed.ncbi.nlm.nih.gov/32799164/>

307- Yoo KH, Park DH, [Abd El-Aty AM](#), Kim SK, Jung HN, Jeong DH, Cho HJ, Hacimüftüoğlu A, Shim JH, Jeong JH, Shin HC. Development of an analytical method for multi-residue quantification of 18 anthelmintics in various animal-based food products using liquid chromatography-tandem mass spectrometry. **Journal of Pharmaceutical Analysis** 2021 Feb; 11(1): 68-76 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/33717613/>

308- Jun Ma, Gege Feng, Ying Ying, Yong Shao, Yongxin She, Lufei Zheng, [A. M. Abd El-Aty](#), and Jing Wang. Sensitive SERS Assay for Glyphosate Based on Removal of L-cysteine Inhibition of Au-Pt Nanozyme. **Analyst** 2021 Feb 7,146 (3), 956-963 (**Co-author**).

309- Bin Wang B, Sui J, Yu B, Yuan C, Guo L, [Abd El-Aty AM](#), Cui B. Physicochemical properties and antibacterial activity of corn starch-based films incorporated with *Zanthoxylum bungeanum* essential oil. **Carbohydrate Polymers** 2021 Feb. 15, 254: 117314 (**Co-author**).
<https://pubmed.ncbi.nlm.nih.gov/33357877/>

310- Gao W, Sui J, Liu P, Cui B, [Abd El-Aty AM](#). Synthetic mechanism of octenyl succinic anhydride modified corn starch based on shells separation pretreatment. **International Journal of Biological Macromolecules** 2021 March 1;172, 483-489 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/33460654/>

311- Rahman MM, [Abd El-Aty AM](#), Ara J, Park JH, Kim MR, Eun JB, Shin HC, Shim JH. Quantification of spinosyn A and spinosyn D in animal-derived products using multiwalled carbon nanotubes coupled with liquid chromatography-tandem mass spectrometry for analysis. **Biomedical Chromatography** 2021 March;35(3):e5007 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/33067857/>

312- Jung TW, Pyun DH, Kim TJ, Lee HJ, Park ES, [Abd El-Aty AM](#), Hwang EJ, Shin YK, Jeong JH. Meteorin-like protein (METRNL)/IL-41 improves LPS-induced inflammatory responses via AMPK or PPAR δ -mediated signaling pathways. **Advances in Medical Sciences** 2021 March;66(1):155-161 (**Co-author**).
<https://pubmed.ncbi.nlm.nih.gov/33592358/>

313- Ma J, Yan M, Feng G, Ying Y, Chen G, Shao Y, She Y, Wang M, Sun J, Zheng L, Wang J, [Abd El-Aty AM](#). An overview on molecular imprinted polymers combined with surface-enhanced Raman spectroscopy chemical sensors toward analytical applications. **Talanta** 2021 April 1; 225: 122031(**Co-author**).
<https://pubmed.ncbi.nlm.nih.gov/33592760/>

- 314- Emel Oz, Elif Ekiz, Adem Savas, Eyad Aoudeh, [A. M. Abd El-Aty](#), Fatih Oz. Impact of roasting level on fatty acid composition, oil and polycyclic aromatic hydrocarbon contents of various dried nuts. **Turkish Journal of Agriculture and Forestry** 2021; 45(2): 213-221 (Co-author).
- 315- Ahn SH, Lee HJ, Pyun DH, Kim TJ, [Abd El-Aty AM](#), Song JH, Shin YK, Jeong JH, Park ES, Jung TW. Capmatinib attenuates lipogenesis in 3T3-L1 adipocytes through an adenosine monophosphate-activated protein kinase-dependent pathway. **Biochemical and Biophysical Research Communications** 2021 May 14; 553: 30-36 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/33756343/>
- 316- Rahman M Md, Lee DJ, Jo A, Yun SH, Eun JB, Im MH, Shim JH, [Abd El-Aty AM](#). Onsite/on-field analysis of pesticide and veterinary drug residues by a state-of-art technology: A review. **Journal of Separation Science** 2021 June; 44(11): 310–2327 (Co-corresponding author).
<https://pubmed.ncbi.nlm.nih.gov/33773036/>
- 317- Jin Kim T, Jung Lee H, Hyeon Pyun D, [Abd El-Aty AM](#), Hoon Jeong J, Woo Jung T. Valdecoxib improves lipid-induced skeletal muscle insulin resistance via simultaneous suppression of inflammation and endoplasmic reticulum stress. **Biochemical Pharmacology** 2021 June; 188:114557. (Co-author)
<https://pubmed.ncbi.nlm.nih.gov/33844985/>
- 318- Xuemin Kang, Jie Sui, Hongwei Qiu, Chunrui Sun, Huayong Zhang, Bo Cui, A. M. Abd El-Aty. Effects of wheat protein on the formation and structural properties of starch-lipid complexes in real noodles incorporated with fatty acids of varying chain lengths. **LWT - Food Science and Technology** 2021 June;144: 111271 (Co-corresponding author).
- 319- Oz F, Oz E, Aoudeh E, [Abd El-Aty AM](#), Zeng M, Varzakas T. Is Ultra-High Temperature Processed Milk Safe in Terms of Heterocyclic Aromatic Amines? **Foods** 2021 June, 10 (6), 1247 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34072697/>
- 320- Wang Y, Du P, [Abd El-Aty AM](#), Chen G, Jia H, Cui X, Oz E, Zhang Y, Zhang X, Qin G, Yan F, Wang J, Jin M, Hammock BD. A visual bio-barcode immunoassay for sensitive detection of triazophos based on biochip silver stained amplified signal. **Food Chemistry** 2021 June 15; 347: 129024 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/33461115/>
- 321- Feng G, Sun J, Wang M, Wang M, Li Z, Wang S, Zheng L, Wang J, She Y, [Abd El-Aty AM](#). Preparation of molecularly imprinted polymer with class-specific recognition for determination of 29 sulfonylurea herbicides in agro-products. **Journal of Chromatography A** 2021 June 21; 1647: 462143 (Co-corresponding author).
<https://pubmed.ncbi.nlm.nih.gov/33957346/>
- 322- Jung HN, Park DH, Yoo KH, Cho HJ, Shim JH, Shin HC, [Abd El-Aty AM](#). Simultaneous quantification of 12 veterinary drug residues in fishery products using liquid chromatography-tandem mass spectrometry. **Food Chemistry** 2021 June 30; 348: 129105 (Co-corresponding author).

<https://pubmed.ncbi.nlm.nih.gov/33508596/>

323- Pyun DH, Kim TJ, Kim MJ, Hong SA, [Abd El-Aty AM](#), Jeong JH, Jung TW. Endogenous metabolite, kynurenic acid, attenuates nonalcoholic fatty liver disease via AMPK/autophagy- and AMPK/ORP150-mediated signaling. **Journal of Cellular Physiology** 2021 July; 236(7): 4902-4912 (**Co-author**).
<https://pubmed.ncbi.nlm.nih.gov/33283879/>

324- Kang X, Gao W, Wang B, Yu B, Zhang H, Cui B, [Abd El-Aty AM](#). Effects of proteins on the structure, physicochemical properties, and *in vitro* digestibility of wheat starch-lauric acid complexes under various cooking methods. **International Journal of Biological Macromolecules** 2021 July 1; 182: 1112-1119 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/33894257/>

325- Kim TJ, Pyun DH, Park SY, Lee HJ, [Abd El-Aty AM](#), Song JH, Shin YK, Jeong JH, Jung TW. Patchouli alcohol improves wound healing in high fat diet-fed mice through AMPK-mediated suppression of inflammation and TGF β 1 signaling. **Biochemical and Biophysical Research Communications** 2021 July 5; 561: 136-142 (**Co-author**).
<https://pubmed.ncbi.nlm.nih.gov/34023778/>

326- Kang X, Gao W, Wang B, Yu B, Guo L, Cui B, [Abd El-Aty AM](#). Effect of moist and dry-heat treatment processes on the structure, physicochemical properties, and *in vitro* digestibility of wheat starch-lauric acid complexes. **Food Chemistry** 2021 July 30; 351: 129303 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/33647689/>

327- Zhu J, Gao W, Wang B, Kang X, Liu P, Cui B, [Abd El-Aty AM](#). Preparation and evaluation of starch-based extrusion-blown nanocomposite films incorporated with nano-ZnO and nano-SiO₂. **International Journal of Biological Macromolecules** 2021 July 31;183:1371-1378 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/34019919/>

328- Wei Gao, Jie Zhu, Xuemin Kang, Bin Wang, Pengfei Liu, Bo Cui, [A.M. Abd El-Aty](#). Development and characterization of starch films prepared by extrusion blowing: The synergistic plasticizing effect of water and glycerol. **LWT - Food Science and Technology** 2021 August; 148: 111820 (**Co-corresponding author**).

329- Zhai X, Li C, Ren D, Wang J, Ma C, [Abd El-Aty AM](#). The impact of chitooligosaccharides and their derivatives on the *in vitro* and *in vivo* antitumor activity: A comprehensive review. **Carbohydrate Polymers** 2021 Aug 15;266: 118132 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/34044948/>

330- Jung TW, Lee HJ, Pyun DH, Kim TJ, Bang JS, Song JH, Shin YK, [Abd El-Aty AM](#), Jeong JH. Capmatinib improves insulin sensitivity and inflammation in palmitate-treated C2C12 myocytes through the PPAR δ /p38-dependent pathway. **Molecular and Cellular Endocrinology** 2021 Aug 20; 534: 111364 (**Co-corresponding author**).
<https://pubmed.ncbi.nlm.nih.gov/34126189/>

- 331- Gao W, Zhu J, Liu P, Cui B, [Abd El-Aty AM](#). Preparation and characterization of octenyl succinylated starch microgels via a water-in-oil (W/O) inverse microemulsion process for loading and releasing epigallocatechin gallate. **Food Chemistry 2021 September 1; 355: 129661 (co-corresponding author)**
<https://pubmed.ncbi.nlm.nih.gov/33848937/>
- 332- Bin Wang, Wei Gao, Xuemin Kang, Yuqing Dong, Pengfei Liu, Shouxin Yan, Bin Yu, Li Guo, Bo Cui, [A. M. Abd El-Aty](#). Structural changes in corn starch granules treated at different temperatures. **Food Hydrocolloids 2021 Sep; 118:106760 (Co-corresponding author)**.
- 333- Zaky AA, Shim JH, [Abd El-Aty AM](#). A review on extraction, characterization, and applications of bioactive peptides from pressed black cumin seed cake. **Frontiers in Nutrition 2021 September 1; 8: Article 743909 (Co-corresponding author)**.
<https://pubmed.ncbi.nlm.nih.gov/34540882/>
- 334- Cui X, [Abd El-Aty AM](#), Zhang C, Xu L, Liu H, Jia H, Wang Y, Cao Z, Salvador JP, She Y, Jin F, Wang J, Jin M, Hammock BD. Enhanced Bio-Barcode Immunoassay Using Droplet Digital PCR for Multiplex Detection of Organophosphate Pesticides. **Journal of Agricultural and Food Chemistry 2021 September 22, 69(37): 11131-11141 (Co-author)**.
<https://pubmed.ncbi.nlm.nih.gov/34494438/>
- 335- Wang B, Yan S, Gao W, Kang X, Yu B, Liu P, Guo L, Cui B, [Abd El-Aty AM](#). Antibacterial activity, optical, and functional properties of corn starch-based films impregnated with bamboo leaf volatile oil. **Food Chemistry 2021 September 30; 357: 129743 (Co-corresponding author)**.
<https://pubmed.ncbi.nlm.nih.gov/33866242/>
- 336- Yong Y, Li J, Gong D, Yu T, Wu L, Hu C, Liu X, Yu Z, Ma X, Gooneratne R, [Abd El-Aty AM](#), Chen J, Ju X. ERK1/2 mitogen-activated protein kinase mediates downregulation of intestinal tight junction proteins in heat stress-induced IBD model in pig. **Journal of Thermal Biology 2021 Oct; 101: 103103 (Co-author)**.
<https://pubmed.ncbi.nlm.nih.gov/34879918/>
- 337- Chen S, Zhang Y, Niu X, Mohyuddin SG, Wen J, Bao M, Yu T, Wu L, Hu C, Yong Y, Liu X, [Abd El-Aty AM](#), Ju X. Coral-derived endophytic fungus, butyrolactone-I, alleviates LPS induced intestinal epithelial cell inflammatory response through TLR4/NF- κ B and MAPK signaling pathways: An *in vitro* and *in vivo* studies. **Frontiers in Nutrition 2021 Oct 1; 8: Article 748118 (Co-author)**.
<https://pubmed.ncbi.nlm.nih.gov/34660669/>
- 338- Wei Gao, Pengfei Liu, Bin Wang, Xuemin Kang, Jie Zhu, Bo Cui, [A. M. Abd El-Aty](#). Synthesis, physicochemical and emulsifying properties of C-3 octenyl succinic anhydride-modified corn starch. **Food Hydrocolloids 2021 November; 120: 106961 (Co-corresponding author)**.

- 339- Jung TW, Hwang EJ, Pyun DH, Kim TJ, Lee HJ, [Abd El-Aty AM](#), Bang JS, Kim HC, Jeong JH. 3-hydroxymorphinan enhances mitochondrial biogenesis and adipocyte browning through AMPK-dependent pathway. **Biochemical and Biophysical Research Communications** 2021 November 5; 577: 17-23 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34487960/>
- 340- Chen G, Liu G, Jia H, Cui X, Wang Y, Li D, Zheng W, She Y, Xu D, Huang X, [Abd El-Aty AM](#), Sun J, Liu H, Zou Y, Wang J, Jin M, Hammock BD. A sensitive bio-barcode immunoassay based on bimetallic Au@Pt nanozyme for detection of organophosphate pesticides in various agro-products. **Food Chemistry** 2021 Nov 15; 362:130118 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34082296/>
- 341- Yu H, Wang M, Cao J, She Y, Zhu Y, Ye J, [Abd El-Aty AM](#), Hacımüftüoğlu A, Wang J, Lao S. Dual-mode detection of organophosphate pesticides in pear and Chinese cabbage based on fluorescence and AuNPs colorimetric assays. **Food Chemistry** 2021 Dec 1; 364: 130326 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34171812/>
- 342- Pyun DH, Kim TJ, Park SY, Lee HJ, [Abd El-Aty AM](#), Jeong JH, Jung TW. Patchouli alcohol ameliorates skeletal muscle insulin resistance and NAFLD via AMPK/SIRT1-mediated suppression of inflammation. **Molecular and Cellular Endocrinology** 2021 Dec 1; 538:111464 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34601002/>
- 343- Taspınar N, Hacimuftuoglu A, Butuner S, Togar B, Arslan G, Taghizadehghalehjoughi A, Okkay U, Agar E, Stephens R Jr, Turkez H, [Abd El-Aty AM](#). Differential effects of inhibitors of PTZ-induced kindling on glutamate transporters and enzyme expression. **Clinical and Experimental Pharmacology and Physiology** 2021 Dec; 48(12):1662-1673 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34409650/>
- 344- Pei J, Jin W, Wang J, Huang Y, Li X, Zhang H, Zhang Y, Ramadan A, [Abd El-Aty AM](#). Purification and Characterization of Plantaricin YKX and Assessment of Its Inhibitory Activity Against Alicyclobacillus spp. **Frontiers in Microbiology** 2021 Dec 9;12: Article 783266 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34956149/>
- 345- Wan M, Xiang F, Liu Z, Guan D, Shao Y, Zheng L, Jin M, She Y, Cao L, Jin F, Chen R, Wang S, Wu Y, [Abd El-Aty AM](#), Wang J. Novel Fe₃O₄@metal-organic framework@polymer core-shell-shell nanospheres for fast extraction and specific preconcentration of nine organophosphorus pesticides from complex matrices. **Food Chemistry** 2021 Dec 15; 365:130485 (Co-author).
<https://pubmed.ncbi.nlm.nih.gov/34364008/>
- 346- Park SY, Lee HJ, Song JH, Shin YK, [Abd El-Aty AM](#), Ramadan A, Hacimuftuoglu A, Jeong JH, Jung TW. Dimethyl itaconate attenuates palmitate-induced insulin resistance in

skeletal muscle cells through the AMPK/FGF21/PPAR δ -mediated suppression of inflammation. **Life Sciences** 2021 Dec 15; 287:120129 (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/34774619/>

347- Turkez H, Arslan ME, Yilmaz A, Doru F, Caglar O, Arslan E, Tatar A, Hacimuftuoglu A, **Abd El-Aty AM**, Mardinoglu A. *In vitro* transcriptome response to propolis in differentiated SH-SY5Y neurons. **Journal of Food Biochemistry** 2021 Dec;45(12): e13990 (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/34730243/>

2022

348- Jung HN, Park DH, Choi YJ, Kang SH, Cho HJ, Choi JM, Shim JH, Zaky AA, **Abd El-Aty AM**, Shin HC. Simultaneous Quantification of Chloramphenicol, Thiamphenicol, Florfenicol, and Florfenicol Amine in Animal and Aquaculture Products Using Liquid Chromatography-Tandem Mass Spectrometry. **Frontiers in Nutrition** 2022 Jan 13; 8:812803 (Co-corresponding author).

<https://pubmed.ncbi.nlm.nih.gov/35096950/>

349- Baranenko D, Boulkrane MS, Borisova I, Astafyeva B, Lu W and **Abd El-Aty AM** (2022) Translocation of Phthalates From Food Packaging Materials Into Minced Beef. **Frontiers in Nutrition** 2022 Jan 20; 8:813553 (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/35127794/>

350- Zaky AA, Simal-Gandara J, Eun J-B, Shim J-H and **Abd El-Aty AM** (2022) Bioactivities, Applications, Safety, and Health Benefits of Bioactive Peptides From Food and By-Products: A Review. **Frontiers in Nutrition** 2022 Jan 20;8:815640 (Co-corresponding author).

<https://pubmed.ncbi.nlm.nih.gov/35127796/>

351- Yong Y, Fang B, Huang Y, Li J, Yu T, Wu L, Hu C, Liu X, Yu Z, Ma X, Gooneratne R, Li S, **Abd El-Aty AM** and Ju X. Tea Tree Oil Terpinen-4-ol Protects Gut Barrier Integrity by Upregulation of Tight Junction Proteins via the ERK1/2-Signaling Pathway. **Frontiers in Nutrition** 2022 Jan 27; 8:805612 (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/35155524/>

352- Yongan Zhu, Miao Wang, Xiaoguang Zhang, Jing Cao, Yongxin She, Zhen Cao, Jing Wang, and **A. M. Abd El-Aty**. Acetylcholinesterase Immobilized on Magnetic Mesoporous Silica Nanoparticles Coupled with Fluorescence Analysis for Rapid Detection of Carbamate Pesticides. **ACS Applied Nano Materials** 2022 Jan 28;5(1):1327-1338 (Co-author)

353- Wang B, Dong Y, Fang Y, Gao W, Kang X, Liu P, Yan S, Cui B, **Abd El-Aty AM**. Effects of different moisture contents on the structure and properties of corn starch during extrusion. **Food Chemistry** 2022 Jan 30; 368:130804 (Co-corresponding author).

<https://pubmed.ncbi.nlm.nih.gov/34404001/>

354- Chen G, Zhai R, Liu G, Huang X, Zhang K, Xu X, Li L, Zhang Y, Wang J, Jin M, Xu D and **Abd El-Aty AM**. A Competitive Assay Based on Dual-Mode Au@Pt-DNA Biosensors

for On-Site Sensitive Determination of Carbendazim Fungicide in Agricultural Products. **Frontiers in Nutrition** 2022 Feb 7;9:820150 (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/35198589/>

355- Wang Y, [Abd El-Aty AM](#), Chen G, Jia H, Cui X, Xu L, Cao Z, She Y, Jin F, Zhang Y, Hacimuftuoglu A, Lamu S, Wang J, Zheng L, Jin M, Hammock BD. A competitive immunoassay for detecting triazophos based on fluorescent catalytic hairpin self-assembly. **Microchimica Acta** 2022 Feb 21; 189:114. (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/35190860/>

356- Zhai R, Zhang K, Chen G, Liu G, Huang X, Gao M, Zhou J, Xu X, Li L, Zhang Y, Wang J, Jin M, Xu D and [Abd El-Aty AM](#). Residue, Dissipation Pattern, and Dietary Risk Assessment of Imidacloprid in Chinese Chives. **Frontiers in Nutrition** 2022 Feb 23; 9:846333 (Co-author).

3567- Zaky AA, [Abd El-Aty AM](#), Ma A, Jia Y. An overview on antioxidant peptides from rice bran proteins: extraction, identification, and applications. **Critical Reviews in Food Science and Nutrition** 2022;62(5):1350-1362 (Co-author)

<https://pubmed.ncbi.nlm.nih.gov/33146021/>

358- He Yu, Miao Wang, Jing Cao, Yongxin She, Yongan Zhu, Jiaming Ye, Jing Wang, Shuibing Lao, [A. M. Abd El-Aty](#). Determination of dichlorvos in pears by surface-enhanced Raman scattering (SERS) with catalysis by platinum coated gold nanoparticles. **Analytical Letters** 2022;55(3):427-437 (Co-author).

359- Kang X, Sui J, Zhang X, Wei G, Wang B, Liu P, Qiu L, El-Banna HA, Cui B, [Abd El-Aty AM](#). The impact of gliadin and glutenin on the formation and structure of starch-lipid complexes. **Food Chemistry** 2022 March 1; 371:131095 (Co-corresponding author).

<https://pubmed.ncbi.nlm.nih.gov/34537618/>

360- Yuqing Dong, Bin Wang, Youxin Fang, Xin Xu, Shouxin Yan, Bo Cui, [A. M. Abd El-Aty](#). Effect of Different Rotational Speeds of the Extruder on the Structure of Corn Starch. **Starch (In press)** (Co-corresponding author).

361- Rongqi Zhai, Ge Chen, Guangyang Liu, Xiaodong Huang, XiaoMin Xu, Lingyun Li, Yanguo Zhang, Jing Wang, Maojun Jin, Donghui Xu, [A.M. Abd El-Aty](#). Enzyme inhibition methods based on Au nanomaterials for rapid detection of organophosphorus pesticides in agricultural and environmental samples: A review. **Journal of Advanced Research** 2022 March;37:61-74 (Co-author).

362- Liu S, Yang Q, Zhang J, Yang M, Wang Y, Sun T, Ma C, [Abd El-Aty AM](#). Enhanced stability of stilbene-glycoside-loaded nanoparticles coated with carboxymethyl chitosan and chitosan hydrochloride. **Food Chemistry** 2022 March 15;372:131343 (Co-author).

<https://pubmed.ncbi.nlm.nih.gov/34656910/>

363- Liu S, Zhang J, Fu R, Feng H, Chu Y, Huang D, Liu H, Li C, Ma C, [Abd El-Aty AM](#). Improved stability and aqueous solubility of β -carotene via encapsulation in self-assembled bioactive oleanolic acid nanoparticles. **Food Chemistry 2022 March 30;373:131498 (Co-author)**.

364- Shiqi Liu, Jing Zhang, Ting Sun, Lina Bao, Yarong Tian, Chaonan Li, Linlin Yan, Lulu Zhang, Chao Ma, [A.M. Abd El-Aty](#). Synthesis and application of molecularly imprinted polymers for preferential removal of emodin and physcion from *Polygonum multiflorum* stem extract. **Industrial Crops and Products 2022 April;178:114659 (Co-author)**.

365- Bairu Zhang, Xueming Kang, Yunhui Cheng, Bo Cui, [A.M. Abd El-Aty](#). Impact of high moisture contents on the structure and functional properties of pea protein isolate during extrusion. **Food Hydrocolloids 2022 June; 127:107508 (Co-corresponding author)**.

366- Kang X, Jia S, Gao W, Wang B, Zhang X, Tian Y, Sun Q, Atef M, Cui B, [Abd El-Aty AM](#). The formation of starch-lipid complexes by microwave heating. **Food Chemistry 2022 July 15;382:132319 (Co-corresponding author)**.
<https://pubmed.ncbi.nlm.nih.gov/35134725/>

367- Wang B, Yu B, Yuan C, Guo L, Liu P, Gao W, Li D, Cui B, [Abd El-Aty AM](#). An overview on plasticized biodegradable corn starch-based films: The physicochemical properties and gelatinization process. **Critical Reviews in Food Science and Nutrition DOI:10.1080/10408398.2020.1868971 (In press) (Co-corresponding author)**.
<https://pubmed.ncbi.nlm.nih.gov/33401939/>

368- Zhao M, Wang M, Zhang X, Zhu Y, Cao J, She Y, Cao Z, Li G, Wang J, [Abd El-Aty AM](#). Recognition elements based on the molecular biological techniques for detecting pesticides in food: A review. **Critical Reviews in Food Science and Nutrition 2021 Dec 2:1-24. doi: 10.1080/10408398.2021.2009762 (In press) (Co-author)**.
<https://pubmed.ncbi.nlm.nih.gov/34852703/>

369- Tae Jin Kim, Do Hyeon Pyun, Myeong Jun Kim, Ji Hoon Jeong, [A. M. Abd El-Aty](#), Tae Woo Jung. Ginsenoside compound K ameliorates palmitate-induced atrophy in C2C12 myotubes via promyogenic effects and AMPK/autophagy-mediated suppression of endoplasmic reticulum stress. **Journal of Ginseng Research (in press) (Co-author)**.

370- Li N, Han D, Ma X, Qiu C, Qin Y, Yao T, Wang S, She Y, Hacımüftüoğlu F, [Abd El-Aty AM](#). Simultaneous determination of pinoxaden, cloquintocet-mexyl, clodinafop-propargyl ester and its major metabolite in barley products and soil using QuEChERS modified with multi-walled carbon nanotubes coupled with LC-MS/MS. **Biomedical Chromatography (in press) (Co-author)**.
<https://pubmed.ncbi.nlm.nih.gov/34957590/>

Book Chapters

1. Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Jae-Han Shim. (2015). Basic Overview on Gas Chromatography Injectors. Analytical Separation Science Vol. 3 (Anderson). WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany. PP. 807-821. **Print ISBN: 978-3-527-33374-5 (Co-corresponding author)**.

2. Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sung Chul Shin, Ho-Chul Shin, Sung Chul Shin, Jae-Han Shim. (2015). "Basic Overview on Gas Chromatography Columns". Analytical Separation Science Vol3 (Anderson), WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany. PP. 823-834. **Print ISBN: 978-3-527-33374-5 (Co-corresponding author).**
3. Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Jae-Han Shim. (2015). Overview of Detectors in Gas Chromatography. Analytical Separation Science Vol. 3 (Anderson). WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany. PP. 835-848. **Print ISBN: 978-3-527-33374-5 (Co-corresponding author).**
- 4- Kebede Taye Desta, Sung Chul Shin, Jae-Han Shim, Gon-Sup Kim, Ho-Chul Shin and [A. M. Abd El-Aty](#). (2016). Flavonoid Variations in Pathogen-Infected Plants. "*Frontiers in Natural Product Chemistry*", Atta-ur-Rahman (Ed.), Bentham Science Publishers. Vol. 2, Chapter 7, PP. 393 – 439. **ISBN: 978-1-68108-360-5 (Co-corresponding author).**
- 5- Wang Jin, Jin Maojun, Jae-Han Shim, [A. M. Abd El-Aty](#). Analysis of Pesticide Residues by Chromatographic Techniques Coupled with Mass Spectrometry. In "Analysis of Pesticides in Food and Environmental Samples". J. L. Tadeo (Ed.), CRC Press, Taylor & Francis Group. 2nd Edition, Chapter 3, 73-104. **ISBN: 13: 978-1-138-48603-4 (Co-corresponding author).**

Oral presentations

- 1-[Abd El-Aty A. M.](#) and Goudah, A. Pharmacokinetic behavior of pefloxacin in lactating goats. **Veterinary Medical Journal (Giza), 2000 Oct; 48 (4), PP: 479-487.**
- 2- Atef, M., El-Gendi, A. Y., Aziza, M. M. Amer and [Abd El-Aty A. M.](#): Lack of effect of ivermectin on florfenicol disposition in Egyptian Goats. **The Second International Scientific Conference in Cooperation with University of Rome, Tor Vergata, Mansoura, 8-9 April 2001. PP: 645-652.**
- 3- Atef, M., El-Gendi, A. Y., Aziza, M. M. Amer and [Abd El-Aty A. M.](#) Effect of repeated doses of albendazole on the pharmacodisposition of florfenicol in goats. **The Second International Scientific Conference in Cooperation with University of Rome, Tor Vergata, Mansoura, 8-9 April, 2001. PP: 637-644.**
- 4- A. Goudah and [A. M. Abd El-Aty](#). Pharmacokinetics of doxycycline after administration as a single intravenous bolus and intramuscular doses to clinically normal Egyptian Goats. **The Third International Scientific Conference (the role of veterinary medicine for community), Mansoura, 29-30 April 2003. PP: 11-24.**
- 5- M. Shimoda, [A. M. Abd El-Aty](#), M. Nakamura, and E. Kokue. Inhibitory effects of some fluoroquinolones on cytochrome P4501A activities of canine liver microsomes. **9th European Association for Veterinary Pharmacology and Toxicology Congress, Lisboa, Portugal, July 13 – 18, 2003.**

- 6- Kim Bo Mee, Kim In Kyung, Choi Jeong Heui, [A. M. Abd El-Aty](#) and Shim Jae Han. Determination of Organophosphorus and Carbamate Pesticide Residues in Vegetable and Fruits using Acetylcholinesterase detection kit. **Busan, Republic of Korea, April 6-7, 2006, PP. 111.**
- 7- Khay Sathya, Choi Jeong Heui, Kim In Kyung, Kim Bo Mee, [A. M. Abd El-Aty](#) and Shim Jae-Han. Influence of Biomass on the Dissipation of Diazinon in Chinese cabbages: A Study Under Greenhouse Conditions. **Busan, Republic of Korea, April 6-7, 2006, PP. 118.**
- 8- M. Shimoda, N. R. Regmi, R. Kubota, A. Tomita, [A. M. Abd El-Aty](#). Effect of clinical oral dose of ofloxacin on theophylline pharmacokinetics in dogs. **10th European Association for Veterinary Pharmacology and Toxicology Congress, Torino, Italy, September 17 – 22, 2006, PP. 293-294.**
- 9-Sung-Won Park, Hye-Ryoung Kim, Hee-Jeong Cha, Kyung-Ae Chae, Ji-Min Sung, [A. M. Abd El-Aty](#), Gordon L. Amidon, Ho-Chul Shin. Comparative Pharmacogenomics for Drug-Metabolizing Enzymes in Mouse, Rat and Human Intestine. **The 2006 Conference of the Korean Society of Veterinary Science, Seoul, Republic of Korea, September 27-28, 2006, PP. 76.**
- 10- Hye-Ryoung Kim, Sung-Won Park, Hee-Jeong Cha, Kyung-Ae Chae, Ji-Min Sung, Jin-Suk Kim, [A. M. Abd El-Aty](#), Gordon L. Amidon, Ho-Chul Shin. Comparative Pharmacogenomics for Drug-Transporters in Mouse, Rat and Human Intestine. **The 2006 Conference of the Korean Society of Veterinary Science, Seoul, Republic of Korea, September 27-28, 2006, PP. 77.**
- 11- Hee-Jung Cho, Ji-Min Sung, Hee Yi, Dong-Cheol Seo, [A. M. Abd El-Aty](#), Ho-Chul Shin. Monitoring of fluoroquinolone residual levels in food producing animals by liquid chromatography. **The 2007 Conference of the Korean Society of Veterinary Science, Chuncheon, Republic of Korea, November 15-16, 2007.**
- 12- Hee Yi, Kyung-Ae Chae, Ji-Min Sung, Hee-Jung Cho, Dong-Cheol Seo, [A. M. Abd El-Aty](#), Ho-Chul Shin. Delivery of 5-FU using releasable PEG-hydrogel: impact on the pharmacokinetic profile and anti-tumor efficacy. **The 2007 Conference of the Korean Society of Veterinary Science, Chunsheon, Republic of Korea, November 15-16, 2007**
- 13- Dong-Cheol Seo, Ji-Min Sung, Hee-Jung Cho, Hee Yi, Dong-Ku Kim, Jin-Suk Kim, [A. M. Abd El-Aty](#), Ho-Chul Shin. Up-regulation of poor prognosis gene in cancer stem cells of human lung adenocarcinoma A549 cell line. **The 2007 Conference of the Korean Society of Veterinary Science, Chuncheon, Republic of Korea, November 15-16, 2007.**
- 14- Eun-Ho Shin, Jeong-Heui Choi, Sung-Joon Lee, Sung-Chul Shin, M. I. R. Mamun, [A. M. Abd El-Aty](#), Woo-Seong Kim and Jae-Han Shim. Exploration of the Exposure Level of Pesticide Residues in Daily Foods Ingested by Korean Through Total Diet Study. **The 2008 Annual Meeting and Spring Conference of the Korean Society of Pesticide Science, Muju Resort, Republic of Korea, April 10-11, 2008. PP. 74**
- 15- Sathya Khay, Sreiny Taing, Lina Hem, Enu-Ho Shin, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Ji-Yoon Jeong and Jae-Han Shim. Method Validation for Analysis of Deltamethrin

Residues in Chicken Muscles and Egg by GC-ECD. **The 2008 Annual Meeting and Spring Conference of the Korean Society of Pesticide Science, Muju Resort, Republic of Korea, April 10-11, 2008. PP. 87**

16- Sathya Khay, Lina Hem, Sreiny Taing, Enu-Ho Shin, Jeong-Heui Choi, [A. M. Abd El-Aty](#) and Jae-Han Shim. Development of Multiresidual Analytical Method for Four Pyrethroids in Pig Muscle and Cow Milk. **The 2008 Annual Meeting and Spring Conference of the Korean Society of Pesticide Science, Muju Resort, Republic of Korea, April 10-11, 2008. PP. 88**

17- Sathya Khay, Lina Hem, Sreiny Taing, Enu-Ho Shin, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Moo-Ki Hong and Jae-Han Shim. Development of Gas Chromatographic Analytical Method for Trichlorfon Residue in Cow Milk Using Electron Capture Detector. **The 2008 Annual Meeting and Spring Conference of the Korean Society of Pesticide Science, Muju Resort, Republic of Korea, April 10-11, 2008. PP. 89**

18- Xue Liu, Jeong-Heui Choi, Sathya Khay, [A. M. Abd El-Aty](#), Hyang-Rang Jeon, Soon-Ho Lee, and Jae-Han Shim. Development of a method for determination of trenbolone acetate and β -trenbolone residues in porcine muscles using HPLC-UVD. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

19- Khay Sathya, Lina Hem, Jeong-Jeui Choi, [A. M. Abd El-Aty](#), Jae-Han Shim. Method establishment and simultaneous multiresidue determination of pyrethroid insecticides in pig muscle and cow fresh milk using GC-ECD and confirmation with GC-MS. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

20- Sathya Khay, Sreiny Taing, Lina Hem, Eun-Ho Shin, [A. M. Abd El-Aty](#), and Jae-Han Shim. Development and validation of an analytical method for the determination of deltamethrin in chicken muscles and eggs using GC-ECD. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

21- [Abd El-Aty AM](#), Choi JH, Ko MW, Khay S, Goudah A, Shin HC, Shim JH. Introduction of supercritical fluid extraction as a new sample-preparation procedure for isolation and identification of a pharmaceutical from biological fluids: Application to disposition kinetics. **2nd World Conference in Magic Bullets (Ehrlich II), Nürnberg, Germany October 3-5, 2008.**

22- [A. M. Abd El-Aty](#) Jeong-Heui Choi; Ma-Wou Ko; Sathya Khay; Ayman Goudah; Ho-Chul Shin; Jin-Suk Kim; Byung-Joon Chang; Chi-Ho Lee; Jae-Han Shim. Application of Sub/Supercritical Fluid Extraction as a New Sample-Preparation Procedure for Isolation and Identification of a Pharmaceutical From Biological Fluids: Application to Disposition Kinetics. **The 25th National Chemistry Congress with International Participation, Erzurum (Turkey), June 27-July 2, 2011.**

23- Angel Yang, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Jae-Ho Oh, Jung-Ah Do, Ki Sung Kwon, Ki-Hoon Shim, Ok-Ja Choi, Jae-Han Shim. Synergistic effect of washing and cooking on the removal of multi-classes of pesticides from various food samples. **SETAC Asia/Pacific, Kumamoto, Japan, Sep 24-27, 2012.**

24- Md. Musfiqur Rahman, Jeong-Heui Choi, [A.M. Abd El-Aty](#), Morad D.N. Abid, Jong-Hyouk Park, Tae Woong Na, Yong-Doo Kim, Jae-Han Shim. Pepper leaf matrix as a promising analyte protectant prior to the analysis of thermolabile terbufos and its metabolites in pepper using GC–FPD. **SETAC Asia/Pacific, Kumamoto, Japan, Sep 24-27, 2012.**

25- Angel Yang, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Jae-Ho Oh, Jung-Ah Do, Ki Sung Kwon, Ki-Hoon Shim, Ok-Ja Choi, Jae-Han Shim. Synergistic Effect of Washing and Cooking on the Removal of Multi-classes of Pesticides from Various Food Samples. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

26- Md. Musfiqur Rahman, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Angel Yang, Ki Hun Park, Jae-Han Shim. Pepper Leaf Matrix as a Promising Analyte Protectant Prior to the Analysis of Thermolabile Metabolites in GC System. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

27- Jong-Hyouk Park, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Joon-Seong Park, Bo Mi Kim, Tae-Woong Na, Ki Hun Park, Angel Yang, Md. Musfiqur Rahman, Jae-Han Shim. Development of an extraction method for the determination of avermectins in soil using supercritical CO₂ modified with ethanol and liquid chromatography-tandem mass spectrometry. **2013 International Conference on Life Science & Biological Engineering, Tokyo (Japan), March 15-17, 2013**

28- [A. M. Abd El-Aty](#), Jeong-Heui Choi, Ma-Wou Ko, Sathya Khay, Ayman Goudah, Ho-Chul Shin, Jin-Suk Kim, Byung-Joon Chang, Chi-Ho Lee, Jae-Han Shim. Approaches for application of sub and supercritical fluid extraction for quantification of orbifloxacin from plasma and milk: application to disposition kinetics. **2013 International Conference on Life Science & Biological Engineering, Tokyo (Japan), March 15-17, 2013.**

29- Ah-Young Ko, Md. Musfiqur Rahman, Jin Jang, Angel Yang, [A. M. Abd El-Aty](#), Jong-Hyouk Park, Ki Hun Park, Jae-Han Shim. Development of a simple extraction and oxidation procedures for the determination of imidacloprid and its metabolites in lettuce using gas chromatography. **Global Conferences on Environmental Studies, Antalya, Turkey, April 24-27, 2013.**

30- Jong-Hyouk Park, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Ah-Young Ko, Jang Jin, Angel Yang, Ki Hun Park, Jae-Han Shim. Application of hollow fiber-supported liquid micro-extraction for the determination of avermectins in water using liquid chromatography-tandem mass spectrometry. **Global Conferences on Environmental Studies, Antalya, Turkey, April 24-27, 2013.**

31- Young-Jun Lee, Md. Musfiqur Rahman, [A.M. Abd El-Aty](#), Jeong-Heui Choi, Hyung Suk Chung, Sung-Woo Kim, Ho-Chul Shin, Jae-Han Shim. Detection of Three Herbicide, and One Metabolite, Residues in Brown Rice and Rice Straw Using Various Versions of the QuEChERS Method and Liquid Chromatography-Tandem Mass Spectrometry. **6th International Chemistry Conference, Riyadh, Saudi Arabia, Nov 8-10, 2016.**

32- Md. Humayun Kabir, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Hyung Suk Chung, Han Sol Lee, Jae-Han Shim. Residue analysis of picoxystrobin in oriental melon (*Cucumis melo* L. var. *makuwa*) using gas chromatography coupled with electron capture detection and mass confirmation - apply to dissipation kinetics, PHRL and risk assessment. **2017 International Symposium and Annual Meeting of the KSPS, MVL Hotel, Yeosu, Republic of Korea, April 6-7, 2017. B-02**

33- Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Hyung Suk Chung, Md. Humayun Kabir, Han Sol Lee, Jae-Han Shim. Simultaneous quantification of methiocarb and its metabolites, methiocarb sulfoxide and methiocarb sulfone, in five food products of animal origin using tandem mass spectrometry. **2017 International Symposium and Annual Meeting of the KSPS, MVL Hotel, Yeosu, Republic of Korea, April 6-7, 2017. B-03**

34- Young-Jun Lee, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Hyung Suk Chung, Han Sol Lee, Sung-Woo Kim, Md. Musfiqur Rahman, Byung-Jun Park, Jan-Eok Kim, Ho-Chul Shin, Jae-Han Shim. Development of a single-run analytical method for the detection of ten multiclass emerging contaminants in agricultural soil using an acetate-buffered QuEChERS method coupled with LC-MS/MS. **The 5th International Symposium on Environmental Analytical Chemistry (ISEAC 5-Asia), Ho Chi Minh City, Vietnam, May 17-20, 2017, pp 32 (TP2-TV-2001).**

Posters

1- [Abd El-Aty A. M.](#) and Goudah, A. Pharmacokinetic behavior of pefloxacin in lactating goats. **Jornadas Latin Americanas De Farmaco-toxicologia Veterinaria, Tandil, 27 y 28 de April, 2000. (Spanish abstract).**

2- K. Abo El-Sooud, [Abd El-Aty A. M.](#) and Goudah, A. Pharmacokinetics, intramuscular bioavailability and tissue residue profiles of ceftazidime in a rabbit model. **Jornadas Latin Americanas De Farmaco-toxicologia Veterinaria, Tandil, 27 y 28 de April, 2000. (Spanish abstract).**

3- Atef, M., El-Gendi, A. Y., Aziza, M. M. Amer and [Abd El-Aty A. M.](#) The pharmacokinetics of florfenicol in Egyptian Goats are not altered by concurrent administration of ivermectin. **Jornadas Latin Americanas De Farmaco-toxicologia Veterinaria. Tandil, 27 y 28 de April 2000. (Spanish abstract).**

4- Aziza M. M. Amer and [A. M. Abd El-Aty](#). Pharmacokinetics of danofloxacin in normal and *Pasteurella multocida* infected rabbits. **XII International Congress of the World Veterinary Poultry Association, Cairo, Egypt, September 17-21, 2001 (abstract 183).**

5- Nakamura, M., [Abd El-Aty A. M.](#), Shimoda, M. and Kokue, E. Inhibitory effect of several fluoroquinolones on cytochrome P4501A activity in dogs. **134 Japanese Society of Veterinary Science Conference, Gifu, Japan, September 19 – 21, 2002. PP 217 (Japanese abstract).**

6- [A. M. Abd El-Aty](#), Jung-Eun Lee, Sang-Seop Lee, Jung-Hoon Jang, Young-Ran Yoon and Jae-Gook Shin. Inter-ethnic comparison of CYP2C19 polymorphisms among Asian populations reveals significant non-concordance among different studies on same

populations: the cases of Korean and Vietnamese populations. **Korean Society of Clinical Pharmacology and Therapeutics Conference, Inha University Hospital, Seoul, Republic of Korea, December 2, 2004. PP: 48**

7- Hyun-Ju Jung, [A. M. Abd El-Aty](#), Lee, Sang-Seop, Sung-Su Yea, and Jae-Gook Shin. Identification of null allelic variant of Cytochrome P450 3A7 in a Korean population. **Korean Society of Clinical Pharmacology and Therapeutics Conference, Inha University Hospital, Seoul, Republic of Korea, December 2, 2004. PP: 55.**

8- Hyun-Ju Jung, Sang-Seop Lee, [A. M. Abd El-Aty](#), Jae-Gook Shin and In-June Cha. Genetic polymorphism and identification of a null allelic variant of Cytochrome P450 3A7 in a Korean population. **2nd International Symposium on Pharmacogenomics: Seoul National University Hospital, Seoul, Republic of Korea, March 18, 2005. PP: 151**

9- Mohamad Warda, [A. M. Abd El-Aty](#), Nari Kim, Jae Boum Youm, Hyun Joo, Won Sun Park, Euiyong Kim, Jin Han. Characterization of the peroxisomal myxothiazol-insensitive type of respiration in land snails. **57th Annual Meeting of the Korean Physiological Society, Muju Resort, October 20-21, 2005.**

10- S. Khay, [A. M. Abd El-Aty](#), C. Y. Park, J. H. Shim. Application of High-Performance Liquid Chromatography to the Analysis of Triflumizole Residues in Apple, Pear and Cucumber. **The 2006 International Symposium on Environmentally Sustainable Management of Agricultural Water Resources, International Technical Cooperation Center, Rural Development Administration, Suwon, Republic of Korea, April 18th, 2006. PP: 164.**

11- Young-Seok Park, [A. M. Abd El-Aty](#), Soon-Kil Cho, Dong-Hah Shin, Jae-Han Shim. Development of Method for Analysis of the Residues of 18 Pesticides in *Panax ginseng* (C. A. Meyer) by Solid Phase Extraction and Gas Chromatography with Electron Capture and Nitrogen-Phosphorus Detection. **The 2006 International Symposium on Environmentally Sustainable Management of Agricultural Water Resources, International Technical Cooperation Center, Rural Development Administration, Suwon, Republic of Korea, April 18th, 2006. PP: 165.**

12- J. H. Choi, [A. M. Abd El-Aty](#), J. Y. Shen, M. R. Kim, J. H. Shim. Supercritical Fluid Extraction Coupled with High-Performance Liquid Chromatography for Determination of Enrofloxacin, Ciprofloxacin, Norfloxacin and Ofloxacin in Chicken Edible Tissues. **The 2006 International Symposium on Environmentally Sustainable Management of Agricultural Water Resources, International Technical Cooperation Center, Rural Development Administration, Suwon, Republic of Korea, April 18th, 2006. PP: 166.**

13- [A. M. Abd El-Aty](#), J. H. Park, J. H. Choi, J. Y. Shen, J. H. Shim. An Evaluation of The Effect of Repeated Doses of Oral Activated Charcoal on Enrofloxacin Residual Levels in Chicken Breast Muscles. **The 2006 International Symposium on Environmentally Sustainable Management of Agricultural Water Resources, International Technical Cooperation Center, Rural Development Administration, Suwon, Republic Korea, April 18th, 2006. PP: 167.**

- 14- M. R. Kim, [A. M. Abd El-Aty](#), I. S. Kim, J. H. Shim. Determination of Volatile Flavor Components in Danggui Cultivars by Solvent-Free Injection and Hydrodistillation Followed by Gas Chromatographic-Mass Spectrometric Analysis. **The 2006 International Symposium on Environmentally Sustainable Management of Agricultural Water Resources, International Technical Cooperation Center, Rural Development Administration, Suwon, Republic of Korea, April 18th, 2006. PP: 168.**
- 15- Sathya Khay, [A. M. Abd El-Aty](#), Jeong-Heui Choi, In-Kyung Kim, Bo-Mee Kim and Jae-Han Shim. Dissipation of Metalaxyl in/on Chinese cabbage Applied by Folia Spraying Under Greenhouse Conditions. **The 89th International Symposium of the Korean Society for Applied Biological Chemistry, College of Agriculture and Life Sciences, Chonnam. National University, Gwangju, Republic of Korea, April 21, 2006. PP: 161.**
- 16- Bo Mee Kim, In Kyung Kim, Sathya Khay, Jeoung Heui Choi, [A. M. Abd El-Aty](#) and Jae Han Shim. Development of Diagnostic kit for Residual Determination of Organophosphorus and Carbamate Pesticides in Food Commodities. **The 89th International Symposium of the Korean Society for Applied Biological Chemistry, College of Agriculture and Life Sciences, Chonnam. National University, Gwangju, Republic of Korea, April 21, 2006. PP: 161.**
- 17- J. Y. Shen, J. H. Choi, [A. M. Abd El-Aty](#) and J. H. Shim. Fecal Excretion of Enrofloxacin in Chicken and Its Potential Health Risk. **The 89th International Symposium of the Korean Society for Applied Biological Chemistry, College of Agriculture and Life Sciences, Chonnam. National University, Gwangju, Republic of Korea, April 21, 2006. PP: 162.**
- 18- ATEF M., EL-GENDI A. Y. I., AMER A. M., [ABD EL-ATY A. M.](#) EFFECTS OF SOME ANTHELMINTICS ON THE PHARMACOKINETIC ASPECTS OF FLORFENICOL IN GOATS. **5th INTERNATIONAL SYMPOSIUM ON HORMONE AND VETERINARY DRUG RESIDUE ANALYSIS, Antwerp, Belgium, May 16-19, 2006.**
- 19- Jeong-Heui Choi, Sathya Khay, In-Kyung Kim, Bo-Mee Kim, Young-Seok Park, Soon-Kil Cho, [A. M. Abd El-Aty](#) and Jae-Han Shim. Simultaneous post-harvest HPLC determination of thiamethoxam, carbendazim, cyazofamid, diethofencarb, and pyrimethanil residue levels in *P. ginseng* (C. A. Meyer). **The 2006 Conference of the Korean Society of Agriculture and Environment, Daejon, Republic of Korea, July 6-7, 2006. PP. 172-173.**
- 20- Sathya Khay, Jeong-Heui Choi, In-Kyung Kim, Bo-Mee Kim, [A. M. Abd El-Aty](#) and Jae-Han Shim. Residues and half-life times of methomyl on cabbage under greenhouse conditions. **The 2006 Conference of the Korean Society of Agriculture and Environment, Daejon, Republic of Korea, July 6-7, 2006. PP. 175-176.**
- 21- Jeong-Heui Choi, Sathya Khay, In-Kyung Kim, Bo-Mee Kim, [A. M. Abd El-Aty](#) and Jae-Han Shim. Simultaneous multidetermination of enrofloxacin and danofloxacin residues in pig muscle, lung and kidney samples using supercritical fluid extraction coupled with high-performance liquid chromatography. **The 2006 Conference of the Korean Society of Agriculture and Environment, Daejon, Republic of Korea, July 6-7, 2006. PP. 201-202.**

- 22- Jeong-Heui Choi, [A. M. Abd El-Aty](#) and Jae-Han Shim. Improving ciprofloxacin recovery from pig muscles using sodium EDTA. **The 2006 Conference of the Korean Society of Agriculture and Environment, Daejon, Republic of Korea, July 6-7, 2006. PP: 202-203.**
- 23- Mi Ra Kim, Jeong-Heui Choi, Sathya Khay, In-Kyung Kim, Bo-Mee Kim, Kang Bong Lee, [A. M. Abd El-Aty](#) and Jae-Han Shim. Identification of volatile components in the Angelica species using supercritical-CO₂ fluid extraction and solid-phase microextraction coupled to gas chromatography-mass spectrometry. **The 2006 Conference of the Korean Society of Agriculture and Environment, Daejon, Republic of Korea, July 6-7, 2006. PP. 204-205.**
- 24- Young-Seok Park, [A. M. Abd El-Aty](#), Soon-Kil Cho, Dong-Hah Shin, Jae-Han Shim. Development of Method for Determination of the Residues of 18 Pesticides in *Panax ginseng* (C. A. Meyer) by Gas Chromatography with Electron Capture and Nitrogen-Phosphorus Detection. **11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, August 6-11, 2006, PP.194.**
- 25- Jae-Han Shim, Boo Mee Kim, [A. M. Abd El-Aty](#). Crop Classification for Extrapolation/Mutual Support of Residue Trial Data Between Crops. **11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, August 6-11, 2006, PP. 210.**
- 26- Jae-Han Shim, Soon-Kil Cho, [A. M. Abd El-Aty](#), Cheol-Ah Kang. Multiresidue method for the analysis of pesticide residues in polished rice (*Oryza sativa* L.) by accelerated solvent extraction and gas chromatography. **11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, August 6-11, 2006, PP. 210.**
- 27- Bo Mee Kim, [A. M. Abd El-Aty](#), Tay-Eak Hwang, Jae-Han Shim. Development of Acetylcholine Esterase Detection Kit for the Determination of Organophosphorus and Carbamate Residues in Agricultural Samples. **11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, August 6-11, 2006, PP. 293.**
- 28- In Kyung Kim, Byung Jun Park, Byung Moo Lee, Jin Kyoung Kim, Sang Won Park, [A. M. Abd El-Aty](#), Jae-Han Shim. Evaluation of Solvent-Free Solid Injector Method for Analysis of Pesticide Residues in Pepper. **11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, August 6-11, 2006, PP. 292.**
- 29- Jeong Heui Choi, Tae Il Park, Gun Sang Park, Moo Hyeok Im, Moo Gi Hong, Jeong Han Kim, [A. M. Abd El-Aty](#), Jae-Han Shim. Reduction Transition of Pesticides in Carrot after An Oven-Dried Period. **11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, August 6-11, 2006, PP. 292.**
- 30- Sathya Khay, Jeong-Heui Choi, Choon-Yeol Park, [A. M. Abd El-Aty](#), Jae-Han Shim. Residues Analysis of Triflumizole Fungicide in Apple, Pear and Cucumber. **11th IUPAC International Congress of Pesticide Chemistry, Kobe, Japan, August 6-11, 2006, PP. 293.**

- 31- Jae-Han Shim, Bo Mee Kim, Tay-Eak Hwang, and [A. M. Abd El-Aty](#). Development of Acetylcholine Esterase Detection Kit for the Determination of Organophosphorus and Carbamate Residues in Agricultural Samples. **International Conference on Pesticide Use in Developing Countries: Environmental Fate, Effects and Public Health Implications, Arusha, Tanzania, October 16 – 20, 2006.**
- 32- Jae-Han Shim, Cheol-Ah Kang, Jeong-Heui Choi, and [A. M. Abd El-Aty](#). Development of a Method for Determination of Pyrazosulfuron-Ethyl and its Metabolite in Water after Exposure to Solar Illumination. **International Conference on Pesticide Use in Developing Countries: Environmental Fate, Effects and Public Health Implications, Arusha, Tanzania, October 16 – 20, 2006.**
- 33- Jeong-Heui Choi, Hyang-Rang Jeon, [A. M. Abd El-Aty](#), and Jae-Han Shim. Study of an Accelerated Solvent Extraction Procedure and Liquid-Liquid Extraction for the Determination of Pesticide Residues in Kiwi by Gas Chromatography-Electron Capture Detector. **International Conference on Pesticide Use in Developing Countries: Environmental Fate, Effects and Public Health Implications, Arusha, Tanzania, October 16 – 20, 2006.**
- 34- Sathya Khay, Hyang-Rang Jeon, [A. M. Abd El-Aty](#), and Jae-Han Shim. Multiresidue Pesticide Monitoring Procedures Using Supercritical Fluid Extraction (SFE) and Liquid-Liquid Extraction Coupled with Electron Capture Detector for the Determination of Four Pesticides in Water Dropwort (*Oenanthe javanica*). **International Conference on Pesticide Use in Developing Countries: Environmental Fate, Effects and Public Health Implications, Arusha, Tanzania, October 16 – 20, 2006.**
- 35- Sathya Khay, [A. M. Abd El-Aty](#), and Jae-Han Shim. Dissipation Behavior of Lufenuron, Benzoylphenylurea Insecticide in/on Chinese Cabbage Applied by Foliar Spraying Under Greenhouse Conditions. **International Conference on Pesticide Use in Developing Countries: Environmental Fate, Effects and Public Health Implications, Arusha, Tanzania, October 16 – 20, 2006.**
- 36- [A. M. Abd El-Aty](#), B. M. Kim, S. S. Shah, M. Shimoda, J. H. Shim. Inhibition of Canine Hepatic Microsomal Cytochrome P-450 1A Activities in vitro by the Major Volatile Components in Korean Danggui, Decursin and Decursinol Angelate. **The 2006 International Symposium and Annual Meeting of the Korean Society for Applied Biological Chemistry, Concorde Hotel, Gyeongju, Republic of Korea, October 26 – 27, 2006.**
- 37- In Kyung Kim, [A. M Abd El-Aty](#), Jae-Han Shim. Volatile Flavor Characteristics and their Differences in Healthy and Diseased Pepper using Solvent Free Solid Injector. **The 2006 International Symposium and Annual Meeting of the Korean Society for Applied Biological Chemistry, Concorde Hotel, Gyeongju, Republic of Korea, October 26 – 27, 2006.**
- 38- Jeong-Heui Choi, Sathya Khay, In-Kyung Kim, Bo-Mee Kim, [A. M. Abd El-Aty](#), Jae-Han Shim. Simultaneous Multiresidue Analysis of Enrofloxacin and Danofloxacin in Pig Muscle, Lung and Kidney Using Supercritical Fluid Extraction Method. **The 2006 International Symposium and Annual Meeting of the Korean Society for Applied**

Biological Chemistry, Concorde Hotel, Gyeongju, Republic of Korea, October 26 – 27, 2006.

39- Hee-Jung Cho, Kyung-Ae Chae, Ji-Min Sung, Hee Yi, Dong-Cheol Seo, [A. M. Abd El-Aty](#), Ho-Chul Shin. Simultaneous multi-determination of fluoroquinolone residual levels in chicken eggs. **The 2007 International Symposium of Preventive Medicine “Preventive and Control of Antimicrobial Resistance and Zoonoses”**. Seoul Trade Exhibition and Convention (SETEC), Seoul, Republic of Korea, April 20, 2007.

40- Ji-Min Sung, Hee-Jung Cho, Kyung-Ae Chae, Hee Yi, Dong-Cheol Seo, Jin-Suk Kim, [A. M. Abd El-Aty](#), Ho-Chul Shin. Identification of stem cell-like cells in human lung cancer cell. **The 2007 International Symposium of Preventive Medicine “Preventive and Control of Antimicrobial Resistance and Zoonoses”**. Seoul Trade Exhibition and Convention (SETEC), Seoul, Republic of Korea, April 20, 2007.

41- Ji-Min Sung, Dong-Cheol Seo, Hee-Jung Cho, Hee-Yi, Jin-Suk Kim, [A. M. Abd El-Aty](#), Ho-Chul Shin. Targeting of ABC transporters in cancer stem-like cells from human lung adenocarcinoma cells. **5th International Research Conference on Membrane Transporters in Disease and Drug Development**, Bern, Switzerland, August 12-16, 2007.

42- Jae-Han Shim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sathya Khay, Cheol-Ah Kang. Determination of field-incurred pyrimethanil residues in persimmon (*Diospyros kaki Linn*) by liquid chromatography. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture**. College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

43- [A. M. Abd El-Aty](#), Go-Woon Lee, M. I. R. Mamun, Jeong-Heui Choi, Sathya Khay, Soon-Kil Cho, Ho-Chul Shin, Jae-Han Shim. Development and validation of a method for the analysis of cafenstrole and its metabolite in brown rice grains and rice straw using high-performance liquid chromatography. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture**. College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

44- Hyang-Rang Jeon, [A. M. Abd El-Aty](#), Soon-Kil Cho, Jeong-Heui Choi, Sathya Khay, Kil-Yong Kim, Ro-Dong Park, Jae-Han Shim. Multiresidue analysis of four pesticide residues in Water Dropwort (*Oenanthe javanica*) via pressurized liquid extraction, supercritical fluid extraction, and liquid-liquid extraction and gas chromatographic determination. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture**. College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

45- S.-K. Cho, [A. M. Abd El-Aty](#), J.-H. Choi, S. Khay, M. R. Kim, J. H. Shim. Optimized conditions for the extraction of secondary volatile metabolites in Angelica roots by accelerated solvent extraction. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for**

Sustainable Agriculture. College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

46- Jae-Han Shim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sathya Khay, Yong-Sun Choi. Post-harvest HPLC determination of chlorfluazuron residues in pears treated with different programs. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture.** College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

47- Ma Wou Ko, [A. M. Abd El-Aty](#), M. I. R. Mamun, Jeong-Heui Choi, Jae-Han Shim. Residual analysis of orbifloxacin in plasma of goats by SFE and HPLC. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture.** College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

48- In-Kyung Kim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sathya Khay, Hyang Burm Lee, In-Seon Kim, Jae-Han Shim. Analysis of volatile compounds in fresh healthy and diseased peppers (*Capsicum annuum* L.) using solvent-free solid injection coupled with gas chromatography-flame ionization detector and confirmation with mass spectrometry. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture.** College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

49- S. Khay, [A. M. Abd El-Aty](#), S.-K. Cho, J. H. Choi, and J. H. Shim. Imidacloprid decline curves and residue levels after treatment with emulsifiable concentrate and wettable powder formulations to Chinese cabbage via analysis with liquid chromatography without clean up procedure. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture.** College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

50- Jeong-Heui Choi, [A. M. Abd El-Aty](#), Sathya Khay, Young-Seok Park, Soon-Kil Cho, and Jae-Han Shim. The Assessment of Carbendazim, Cyazofamid, Diethofencarb and Pyrimethanil Residue Levels in *P. ginseng* (C. A. Meyer) by HPLC. **2nd International Symposium for the Second stage of Brain Korea (BK) 21: Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture.** College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, October 9, 2007.

51- S.-K. Cho, [A. M. Abd El-Aty](#), J.-H. Choi, S. Khay, M. R. Kim and J. H. Shim. Optimized conditions for the extraction of secondary volatile metabolites in Angelica roots by accelerated solvent extraction. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

52- Hyang-Rang Jeon, [A. M. Abd El-Aty](#), Soon-Kil Cho, Jeong-Heui Choi, Sathya Khay, Kil-Yong Kim, Ro-Dong Park. Multiresidue analysis of four pesticide residues in water

dropwort (*Oenanthe javanica*) via pressurized liquid extraction, supercritical fluid extraction, and liquid-liquid extraction and gas chromatographic determination. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

53- In-Kyung Kim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sathya Khay, Hyang Burm Lee, In-Seon Kim and JAe-Han Shim. Analysis of volatile compounds in fresh healthy and diseased peppers (*Capsicum annuum* L.) using solvent-free solid injection coupled with gas chromatography-flame ionization detector and confirmation with mass spectrometry. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

54- Ma Wou Ko, [A. M. Abd El-Aty](#), M. I. R. Mamun, Jeong-Heui Choi, Jae-Han Shim. Residual analysis of orbifloxacin in plasma of goats by SFE and HPLC. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

55- Jeong-Heui Choi, [A. M. Abd El-Aty](#), Sathya Khay, Young-Seok Park, Soon-Kil Cho and Jae-Han Shim. The assessment of carbendazim, cyazofamid, diethofencarb and pyrimethanil residue levels in *P. ginseng* (C. A. Meyer) by HPLC. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

56- Jae-Han Shim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sathya Khay and Cheol-Ah Kang. Determination of field-incurred pyrimethanil residues in persimmon (*Diospyros kaki* Linn) by liquid chromatography. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

57- Jae-Han Shim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sathya Khay and Yong-Sun Choi. Post-harvest HPLC determination of chlorfluzuron residues in pears treated with different programs. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

58- S. Khay, [A. M. Abd El-Aty](#), Lina Hem, S.-K. Cho, J. H. Choi and J. H. Shim. Imidacloprid decline curves and residue levels after treatment with emulsifiable concentrate and wettable powder formulations to Chinese cabbage via analysis with liquid chromatography without a clean-up procedure. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

59- [A. M. Abd El-Aty](#), Go-Woon Lee, M. I. R. Mamun, Jeong-Heui Choi, Sathya Khay, Soon-Kil Cho, Ho-Chul Shin and Jae-Han Shim. Development and validation of a method for the analysis of cafenstrole and its metabolite in brown rice grains and rice straw using high-performance liquid chromatography. **2007 International Symposium on Plant Stress and Metabolism, Gyeongju, Republic of Korea, October 11-13, 2007.**

60- [A. M. Abd El-Aty](#), Syed S. Shah, Hee-Jung Cho, Minoru Shimoda, Jae-Han Shim and Ho-Chul Shin. IN VITRO INHIBITORY POTENTIAL OF DECURSIN AND DECURSINOL ANGELATE ON THE CATALYTIC ACTIVITY OF CYTOCHROME P-450 1A1/2, 2D15, AND 3A12 ISOFORMS IN CANINE HEPATIC MICROSOMES. **2nd Asian Pacific Regional ISSX Meeting, School of Pharmacy, Fudan University,**

Shanghai, China, May 11-13. **Drug Metabolism Reviews 2008, 40 (Suppl. 2), 2008, PP. 100.**

61- Hee Yi, Hee-Jung Cho, Ji-Min Sung, Soo-Min Cho, Dong-Gu Lee, Kwang Nho, Gun-Won Bae, Byung-Joon Chang, [A. M. Abd El-Aty](#) and Ho-Chul Shin. PHARMACOKINETIC-PHARMACODYNAMIC EVALUATION OF DEGRADABLE POLY (ETHYLENE GLYCOL)-BASED HYDROGELS FOR SUBCUTANEOUS DRUG DELIVERY OF 5-FU. **2nd Asian Pacific Regional ISSX Meeting, School of Pharmacy, Fudan University, Shanghai, China, May 11-13. Drug Metabolism Reviews 2008, 40 (Suppl. 2), 2008, PP. 159.**

62- Ji-Min Sung, Dong-Cheol Seo, Hee-Jung Cho, Hee Yi, [A. M. Abd El-Aty](#), Byung-Joon Chang and Ho-Chul Shin. TARGETING OF ABCG2 TRANSPORTER IN THE STEM-CELL OF HUMAN LUNG CANCER A549 CELLS. **2nd Asian Pacific Regional ISSX Meeting, School of Pharmacy, Fudan University, Shanghai, China, May 11-13. Drug Metabolism Reviews 2008, 40 (Suppl. 2), 2008, PP. 205.**

63- Yang-Mo Jeong, [A. M. Abd El-Aty](#), Hyang-Rang Jeon, Soon-Kil Cho, Jeong-Heui Choi, Ho-Chul Shin and Jae-Han Shim. Effectiveness of Pressurized Liquid Extraction and Solvent Extraction for the Simultaneous Quantification of 14 Pesticide Residues in Green Tea Using GC. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 129, pp. 55.**

64- Liu Xue, Jeong-Heui Choi, Khay Sathya, [A. M. Abd El-Aty](#), Hyang-Rang Jeon, Soon-Ho Lee and Jae-Han Shim. Development of a Method for Determination of Trenbolone Acetate and β -Trenbolone Residues in Porcine Muscles Using HPLC-UVD. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 139, pp. 58.**

65- Khay Sathya, Lina Hem, Sreiny Taing, Jeong-Jeui Choi, [A. M. Abd El-Aty](#), Hye-Jin Park and Jae-Han Shim. Method Establishment and Simultaneous Multiresidue Determination of Pyrethroid Insecticides in Pig Muscle and Cow Fresh Milk Using GC-ECD. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 140, pp. 58.**

66- Jeong-Heui Choi, Tae-Woong Na, M. I. R. Mamun, [A. M. Abd El-Aty](#), Ji-Yoon Jeong, Hye-Jin Park and Jae-Han Shim. Determination of Sarafloxacin in Pig and Chicken Muscles Using Liquid Chromatography. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 141, pp. 58.**

67- Sathya Khay, Sreiny Taing, Lina Hem, Eun-Ho Shin, [A. M. Abd El-Aty](#), Young-Seok Park, Ji-Yoon Jeong and Jae-Han Shim. Development and Validation of an Analytical Method for the Determination of Deltamethrin in Chicken Muscles and Eggs Using GC-ECD. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 142, pp. 59.**

68- Sathya Khay, Lina Hem, Sreiny Taing, Eun-Ho Shin, [A. M. Abd El-Aty](#), Jin Kyung Kim, Moo-Ki Hong and Jae-Han Shim. Development of an Extraction Procedure for the

Analysis of Trichlorfon in Cow Fresh Milk using GC-ECD. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 143, pp. 59.**

69- Jong-Hyouk Park, M. I. R. Mamun, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Soon-Kil Cho and Jae-Han Shim. An Extrapolation from Crop Classification Based on Pesticide Residue Trial Data within Fruit Vegetables. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 179 pp. 69.**

70- Eun-Ho Shin, Jeong-Heui Choi, Sung joong Lee, Sung Chul Shin, M. I. R. Mamun, [A. M. Abd El-Aty](#), Yang-Mo Jeong, Woo Seong Kim and Jae-Han Shim. The Corresponding Exposure Level of Pesticides in Foods Ingested by Korean in a Total Diet Study. **4th Pan-Pacific Conference on Pesticide Science, June 1-5, 2008, Honolulu, Hawaii, USA, Abstract No 180 pp. 69.**

71- Jong-Hyouk Park, M. I. R. Mamun, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Soon-Kil Cho, Jae-Han Shim. An extrapolation from crop classification based on pesticide residue trial data within fruit vegetables. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

72- Chang-Won Pyun, [A. M. Abd El-Aty](#), Jae-Han Shim, Si-Kyung Lee, Kang-Duk Choi, Kwan-Ha Park, Ho-Chul Shin, ChiHo Lee. Monitoring of streptomycin and dihydrostreptomycin residual levels in porcine meat press juice and muscle via solid-phase fluorescence immunoassay and confirmatory analysis by liquid chromatography after post-column derivatization. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

73- [A. M. Abd El-Aty](#), Ayman Goudah, Syed Sher Shah, Ho-Chul Shin, Minoru Shimoda & Jae-Han Shim. Pharmacokinetic variables of moxifloxacin in healthy male camels following intravenous and intramuscular administration. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

74- [A. M. Abd El-Aty](#), A. Goudah, Samar M. Mounair, Sunwoo YE, Jang JH, Shin JG, Shim JH, M. Shimoda. Acute Phase Response Alters the Disposition Kinetics of Cefepime Following Intravenous Administration to Rabbits. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

75- Ayman Goudah, Samar M. Mounair, Jae-Han Shim, [A.M. Abd El-Aty](#). Influence of endotoxin-induced fever on the pharmacokinetics of intramuscularly administered cefepime in rabbits. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

76- Ayman Goudah, Syed Sher Shah, Ho-Chul Shin, Jae-Han Shim, [A. M. Abd El-Aty](#). Concentration-time courses of pefloxacin in plasma and milk of lactating she-camels (*Camelus dromedarius*). **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

77- Ayman Goudah, Syed Sher Shah, Ho-Chul Shin, Jae-Han Shim, [A. M. Abd El-Aty](#). Pharmacokinetics and Mammary Residual Depletion of Erythromycin in Healthy Lactating

Ewes. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

78- A. Goudah, [A.M. Abd El-Aty](#), N. L. Regmi, H. C. Shin, M. Shimoda, J. H. Shim. Single-dose pharmacokinetics of marbofloxacin in Egyptian Buffalo steers. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

79- Ayman Goudah, Khaled Abo El-Sooud, Jae-Han Shim, Ho-Chul Shin, [A. M. Abd El-Aty](#). Characterization of the pharmacokinetic disposition of levofloxacin in stallions after intravenous and intramuscular administration. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

80- Ayman Goudah, Jae-Han Shim, M. Shimoda, [A. M. Abd El-Aty](#). Pharmacokinetics and milk distribution characteristics of orbifloxacin following intravenous and intramuscular injection in lactating ewes. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

81- Ayman Goudah, Ho-Chul Shin, Jae-Han Shim, [A. M. Abd El-Aty](#). Characterization of the relationship between serum and milk residue disposition of ceftriaxone in lactating ewes. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

82- Chang-Won Pyun, [A. M. Abd El-Aty](#), Jae-Han Shim, Si-Kyung Lee, Kang-Duk Choi, Kwan-Ha Park, Ho-Chul Shin, ChiHo Lee. Monitoring of streptomycin and dihydrostreptomycin residual levels in porcine meat press juice and muscle via solid-phase fluorescence immunoassay and confirmatory analysis by liquid chromatography after post-column derivatization. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

83- Jae-Woo Park, [A. M. Abd El-Aty](#), Myoung-Heon Lee, Sung-Ok Song, Jae-Han Shim. Residue Analysis of Organophosphorus and Organochlorine Pesticides in Fatty Matrices by Gas Chromatography Coupled with Electron-Capture Detector. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

84- Jeong-Heui Choi, Eun-Ho Shin, Hee Kwon Kim, M. I. R. Mamun, [A. M. Abd El-Aty](#), Jae-Han Shim. Determination of methoxyfenozide residues in water and soil by liquid chromatography: Evaluation of its environmental fate under laboratory conditions. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

85- [A. M. Abd El-Aty](#), J. H. Choi, J. H. Park, J. H. Shim. An evaluation of the effect of repeated doses of oral activated charcoal on the depletion of enrofloxacin residual levels in chicken breast muscles. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

86- [A. M. Abd El-Aty](#), In-Kyung Kim, Mi-Ra Kim, ChiHo Lee, Jae-Han Shim. Determination of volatile organic compounds generated from fresh, white, and red *Panax ginseng* (C. A. Meyer) using a direct sample injection technique. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

87- [A. M. Abd El-Aty](#), Syed Sher Shah, Ho-Chul Shin, Minoru Shimoda, Jae-Han Shim. *In vitro* inhibitory potential of decursin and decursinol angelate on the catalytic activity of cytochrome P-450 1A1/2, 2D15, and 3A12 isoforms in canine hepatic microsomes. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008**

88- [A. M. Abd El-Aty](#), Jeong-Heui Choi, Ma-Wou Ko, Sathya Khay, Ayman Goudah, Ho-Chul Shin, Jae-Han Shim. Introduction of supercritical fluid extraction as a new sample-preparation procedure for isolation and identification of a pharmaceutical from biological fluids: Application to disposition kinetics. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

89- J. H. Choi, [A. M. Abd El-Aty](#), J. Y. Shen, M. R. Kim, J. H. Shim. Analysis of fluoroquinolone residue in edible chicken tissues using supercritical fluid extraction. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008**

90- Hee-Jung Cho, [A. M. Abd El-Aty](#), Ayman Goudah, Gi-Min Sung, Hee Yi, Dong-Cheol Seo, Jin-Suk Kim, Jae-Han Shim, Ho-Chul Shin. Monitoring of fluoroquinolone residual levels in chicken eggs by microbiological assay and confirmation by liquid chromatography. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008**

91- Eun-Ho Shin, Jeong-Heui Choi, Seong-Jung Lee, Seong-Cheol Shin, M. I. R. Mamun, [A. M. Abd El-Aty](#), Yang-Mo Jeong, Woo Seong Kim, Jae-Han Shim. The Corresponding Exposure Level of Pesticides in Foods Ingested to Koreans as the Total Diet Study. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008**

92- Yang-Mo Jeong, [A. M. Abd El-Aty](#), Hyang-Rang Jeon, Soon-Kil Cho, Jeong-Heui Choi, Ho-Chul Shin, Jae-Han Shim. Effectiveness of pressurized liquid extraction and solvent extraction for the simultaneous quantification of 14 pesticide residues in green tea using GC. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

93- Sathya Khay, Lina Hem, Sreiny Taing, Eun-Ho Shin, [A. M. Abd El-Aty](#), Jin Kyoung Kim, Moo-Ki Hong, Jae-Han Shim. Development of an extraction procedure for the analysis of trichlorfon in cow fresh milk using GC-ECD. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

94- Jeong-Heui Choi, Tae-Woon Na, M. I. R. Mamun, [A. M. Abd El-Aty](#), Ji-Yoon Jeong, Hye-Jin Park, Jae-Han Shim. Determination of Sarafloxacin in Pig and Chicken Muscles Using Liquid Chromatography. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

95- Diran Herebian, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Jae-Han Shim, Michael Spiteller. Analysis of curcuminoids and their metabolites in *Curcuma domestica* using GC-FID, GC-MS, HR-GC-MS, and LC-ESI-MS/MS. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

96- S. Khay, J. H. Choi, [A. M. Abd El-Aty](#), M. I. R. Mamun, B. J. Park, A. Goudah, H. C. Shin, J. H. Shim. Dissipation Behavior of Lufenuron, Benzoylphenylurea Insecticide, in/on Chinese Cabbage Applied by Foliar spraying Under Greenhouse. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008**

97- Soon-Kil Cho, [A. M. Abd El-Aty](#), Hyang-Rang Jeon, Jeong-Heui Choi, Ho-Chul Shin, Jae-Han Shim. Comparison of different extraction methods for the simultaneous determination of pesticide residues in kiwifruits using gas chromatography-mass spectrometry. **The Conference of the Korean Society of Agriculture and Environment, July 3-4, 2008.**

98- Hee-Jung Cho, Hee Yi, Soo-Min Cho, Dong-Goo Lee, [A. M. Abd El-Aty](#), Ho-Chul Shin. Simultaneous determination of fluoroquinolone residual levels in chicken eggs by liquid chromatography. **2008 AAPS Annual Meeting and Exposition Online Itinerary 11/15/2008 - 11/20/2008**

99- Ji-Min Sung, Hee-Jung Cho, Hee Yi, Byung-Joon Chang, [A. M. Abd El-Aty](#), Christopher P. Landowski, Matthias A. Hediger, Ho-Chul Shin. Characterization of a stem cell population in lung cancer A549 cells. **2008 AAPS Annual Meeting and Exposition Online Itinerary 11/15/2008 - 11/20/2008**

100- Hee Yi, Hee-Jung Cho, Soo-Min Cho, Dong-Goo Lee, [A. M. Abd El-Aty](#), Ho-Chul Shin. Pharmacokinetic-pharmacodynamic evaluation of degradable Poly (Ethylene Glycol)-based hydrogels for subcutaneous drug delivery of 5-Fluorouracil. **2008 AAPS Annual Meeting and Exposition Online Itinerary 11/15/2008 - 11/20/2008**

101- [A. M. Abd El-Aty](#); Jeong-Heui Choi; Ma-Wou Ko; Sathya Khay; Ayman Goudah; Ho-Chul Shin; Jin-Suk Kim; Byung-Joon Chang; Chi-Ho Lee; Jae-Han Shim. Introduction of sub/supercritical fluid extraction as a new sample-preparation procedure for isolation and identification of a pharmaceutical from biological fluids: Application to disposition kinetics. **Ist International Conference on Antimicrobial Research (ICAR2010), Valladolid (Spain), 3– 5 November 2010**

102- X. Liu, [A. M. Abd El-Aty](#), J. H. Shim. Various Extraction and Analytical Techniques for Isolation and Identification of Secondary Metabolites from *Nigella sativa* Seeds. **Zing Natural Products Conference, Lanzarote, Spain, Feb 10-13, 2012.**

103- Xue Liu, [A.M. Abd El-Aty](#), Angel Yang, Jong-Hyouk Park, S.K Cho, Jae-Han Shim. Identification of secondary metabolite profiles from two cultivars of *Nigella sativa* seeds obtained by accelerated solvent extraction using gas chromatography-mass spectrometry. **Zing Natural Products Conference, Lanzarote, Spain, Feb 10-13, 2012.**

104- Ki Hun Park, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Soon-Kil Cho, Jong-Hyouk Park, Ki Sung Kwon, Jae-Ho Oh, Hyung Soo Kim, Ho-Chul Shin, Mi Ra Kim, Jae-Han Shim. Development of QuEChERS-based extraction and liquid chromatography-tandem mass spectrometry method for quantifying flumethasone residues in beef muscle. **SETAC Asia/Pacific, Kumamoto, Japan, Sep 24-27, 2012.**

105- Ki Hun Park, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Jong-Hyouk Park, Da-I Jung, Jae-Han Shim. Development of QuEChERS-based Extraction and Liquid Chromatography-tandem Mass Spectrometry Method for Quantification of Fumethasone Residues in Beef Muscles. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

106- Md. Musfiqur Rahman, Tae-Woong Na, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Angel Yang, Ki Hun Park, Jae-Han Shim. Investigation of Pre-harvest Residue Limit (PHRL) of Abamectin in Perilla leaf under Greenhouse Condition. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

107- Md. Musfiqur Rahman, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Angel Yang, Ki Hun Park, Jae-Han Shim. Residual pattern of Acequinocyl and Hydroxyacequinocyl in Perilla leaf grown under greenhouse conditions using UPLC-PDA with tandem mass confirmation. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

108- Md. Musfiqur Rahman, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Angel Yang, Ki Hun Park, Jae-Han Shim. Single Step Modified QuEChERS for Determination of Chlorothalonil in Shallot (*Allium ascalonicum*) Using GC- μ ECD and Confirmation via Mass-Spectrometry. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

109- Md. Musfiqur Rahman, Jong-Hyouk Park, A. M. Abd El-Aty, Angel Yang, Ki Hun Park, Jae-Han Shim. Analysis of Kresoxim-Methyl and its Thermolabile Metabolites in Korean Plum: An Application of Pepper Leaf Matrix as a Protectant for GC Amenable Pesticides. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

110- Lina Hem, [A. M. Abd El-Aty](#), Jong-Hyouk Park, Jae-Han Shim. Determination of Dinotefuran in Pepper Using Liquid Chromatography: Contribution to Safety Evaluation. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

111- Angel Yang, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Jae-Ho Oh, Jung-Ah Do, In Gyun Hwang, Ki-Hoon Shim, Ok-Ja Choi, Jae-Han Shim. Analysis of Pesticide Residues in Fatty Food Matrices Using GC- μ ECD and Confirmation via GC-MS. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

112- Jong-Hyouk Park, Joon-Seong Park, [A. M. Abd El-Aty](#), Md. Musfiqur Rahman, Tae-Woong Na, Jae-Han Shim Establishment of Pre-harvest Residue Limits of Imidacloprid and Pyrimethanil in Shallot (*Allium ascalonicum*) Grown under Greenhouse Conditions Using Tandem Mass Spectrometry. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

113- Jong-Hyouk Park, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Joon-Seong Park, Bo Mi Kim, Tae-Woong Na, Ki Hun Park, Angel Yang, Md. Musfiqur Rahman, Jae-Han Shim. Development of an Extraction Method for the Determination of Avermectins in Soil Using Supercritical CO₂ Modified with Ethanol and Liquid Chromatography-tandem Mass Spectrometry. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

114- Xue Liu, Jong-Hyouk Park, [A. M. Abd El-Aty](#), Minoru Shimoda, Jae-Han Shim. Isolation of Volatiles from *Nigella sativa* Seeds Using Microwave-assisted Extraction: Effect on Canine CYP1A. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

115- Soon-Kil Cho, [A. M. Abd El-Aty](#), Ki Hun Park, Jong-Hyouk Park, Yang-Mo Jeong, Young-Seok Park, Jae-Han Shim Simple Multiresidue Extraction Method for the Determination of Fungicides and Plant Growth Regulator in Korean Bean Sprouts Using Low-Temperature Partitioning and Tandem Mass Spectrometry. **2012 International Symposium and Annual Meeting of the KSABC, Kimdaejung Convention Center, Gwangju, Republic of Korea, November 8 – 10.**

116- [A. M. Abd El-Aty](#). The Official Journal of Cairo University: challenges and perspectives. 1st International Congress on Medical Writing, **Dubai (UAE), 19-21 February, 2013.**

117- Ko AY, Rahman MM, [Abd El-Aty AM](#), Jang J, Park JH, Cho SK, Shim JH. Development of a simple extraction and oxidation procedure for the residue analysis of imidacloprid and its metabolites in lettuce using gas chromatography. **ISRANALYTICA 2014, January 8-9, Tel-Aviv, Israel.**

118- Jeong-Heui Choi, Marc Lamshöft, Sebastian Zühlke, Jong-Hyouk Park, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Michael Spittler, Jae-Han Shim. Determination of anxiolytic veterinary drugs from biological fertilizer blood meal using liquid chromatography high-resolution mass spectrometry. **ISRANALYTICA 2014, January 8-9, Tel-Aviv, Israel.**

119- Jae-Han Shim, Ah-Young Ko, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Jin Jang, Jeong-Heui Choi, M. I. R Mamun. Identification of volatile organic compounds generated from healthy and infected powdered chilli using solvent-free solid injection coupled with GC/MS: Application to adulteration. **20th International Symposium on Separation Sciences (ISSS, 2014), Aug. 30-Sep. 2, Prague, Czech Republic. Poster 105.**

120- Jae-Han Shim, Sung-Woo Kim, A. M. Abd El-Aty Young-Jun Lee, Su Myeong Hong, Young Mi Seo. A Simple HPLC-UVD Method for Detecting Etofenprox in Green Tea Using Sample Hydration. **20th International Symposium on Separation Sciences (ISSS, 2014), Aug. 30-Sep. 2, Prague, Czech Republic. Poster 106.**

121- Sung Woo Kim, Jeong-Heui Choi, Marc Lamshöft, Sebastian Zühlke, [A. M. Abd El-Aty](#), Jae-Han Shim, Michael Spittler. Analyses and decreasing patterns of veterinary antianxiety medications in soils. **20th International Symposium on Separation Sciences (ISSS, 2014), Aug. 30-Sep. 2, Prague, Czech Republic. Poster 116.**

122- Sung-Woo Kim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Young-Jun Lee, Ah-Young Ko, Md. Musfiqur Rahman, Jae-Han Shim. The effect of household processing on dimethomorph residue content in peppers and pepper leaves using tandem mass spectrometry. **20th International Symposium on Separation Sciences (ISSS, 2014), Aug. 30-Sep. 2, Prague, Czech Republic. Poster 139.**

123- Jae-Han Shim, Angel Yang, [A. M. Abd El-Aty](#), Jong-Hyouk Park, Ayman Goudah, Md. Musfiqur Rahman, Jung-Ah Do. Analysis of 10 systemic pesticide residues in various baby foods using liquid chromatography-tandem mass spectrometry. **14th International Nutritional & Diagnostics Conference (INDC, 2014), Sep. 2-5, Prague, Czech Republic. Poster 72.**

124- Jae-Han Shim, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Sung-Woo Kim. Determination of kresoxim-methyl and its thermolabile metabolites in pear utilizing pepper leaf matrix as a protectant using gas chromatography. **14th International Nutritional & Diagnostics Conference (INDC, 2014), Sep. 2-5, Prague, Czech Republic. Poster 74.**

125- Sung-Woo Kim, Soon-Kil Cho, [A. M. Abd El-Aty](#), Md. Musfiqur Rahman, Jeong-Heui Choi, Jae-Han Shim. Simultaneous multi-determination and transfer of eight pesticide residues from green tea leaves to infusion using gas chromatography. **14th International Nutritional & Diagnostics Conference (INDC, 2014), Sep. 2-5, Prague, Czech Republic. Poster 133.**

126- Sung-Woo Kim, [A. M. Abd El-Aty](#), Jeong-Heui Choi, Md. Musfiqur Rahman, Jae-Han Shim. Washing and blanching substantially reduced the residue levels of pyridaben in cumulative manner in hot pepper fruits and leaves. **14th International Nutritional & Diagnostics Conference (INDC, 2014), Sep. 2-5, Prague, Czech Republic. Poster 136.**

127- Jae-Han Shim, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#). Matrix enhancement effect: A blessing or curse for gas chromatography? **14th International Nutritional & Diagnostics Conference (INDC, 2014), Sep. 2-5, Prague, Czech Republic. Poster 137.**

128- Sung-Woo Kim, Jin Jang, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Ah-Young Ko, Jong-Heui Choi, Jae-Han Shim. Analysis of etoxazole in red pepper after major modification of QuEChERS for gas chromatography-nitrogen phosphorus detection. **14th International Nutritional & Diagnostics Conference (INDC, 2014), Sep. 2-5, Prague, Czech Republic. Poster 140.**

129- Dan Zhang, Jin A Park, Dong-Soon Kim, Na-Hyun Kim, Seong-Kwan Kim, Kyeong-Su Cho, Dana Jeong, Jae-Han Shim, [A. M. Abd El-Aty](#), Ho-Chul Shin. Simultaneous detection of bacitracin and polymyxin B in livestock products using liquid chromatography-tandem mass spectrometry. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P0294**

130- Jin-A Park, Dan Zhang, Song-Soon Kim, Seong-Kwan Kim, Kyeong-Su Cho, Dana Jeong, Jae-Han Shim, Jin-Suk Kim, [A. M. Abd El-Aty](#), Ho-Chul Shin. A single-step multiresidue determination of 10 multiclass veterinary drugs in pork, milk, and eggs using liquid chromatography-tandem mass spectrometry. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P0312.**

131- Sung-Woo Kim, [A. M. Abd El-Aty](#), Md. Musfiqur Rahman, Yong-Jun Lee, Jae-Han Shim. The effect of household processing on reduction of diethofencarb residue in/on crown daisy using tandem mass spectrometry. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P0980.**

- 132-** Dan Zhang, Jin-A Park, Dong-Soon Kim, Seong-Kwan Kim, Kyeong-Su Cho, Dana Jeong, Jae-Han Shim, Jin-Suk Kim, [A. M. Abd El-Aty](#), Ho-Chul Shin. Simple extraction method for the simultaneous detection of tetramisole and diethylcarbamazine in animal food products using liquid chromatography-tandem mass spectrometry. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P0984.**
- 133-** Young-Jun Lee, Truong Thi Bich Lieu, Hyong Seok, Sung-Woo Kim, Md. Musfiqur Rahman, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Jae-Han Shim. Comparison of QuEChERS three versions for simultaneous detection of three herbicides and metabolite in rice, rice straw and paddy soil. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P0987.**
- 134-** Waziha Farha, Md Musfiqur Rahman, [A. M. Abd El-Aty](#), Sung-Woo Kim, Md. Humayun Kabir, So Jeong Im, Da-I Jung, Jeong-Heui Choi, Jae-Han Shim. Dynamic behaviour and residual pattern of thiamethoxam and its metabolite clothianidin in Swiss chard using liquid chromatography-tandem mass spectrometry. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P0989.**
- 135.** Md. Humayun Kabir, Da-I Jung, So Jeong Im, Waziha Farha, Sung-Woo Kim, Md. Musfiqur Rahman, Jeong-Heui Choi, [A. M. Abd El-Aty](#), Jae-Han Shim. Establishment of pre-harvest residue limit of amisulbrom and cyantraniliprole in shallot grown under greenhouse conditions using LC-UVD. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P0992.**
- 136-** Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Jae-Han Shim. Matrix enhancement effect: A blessing or a curse for gas chromatography? **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P1023.**
- 137-** Md. Musfiqur Rahman, Jeong-Heui Choi, Sung-Woo Kim, [A. M. Abd El-Aty](#), Jae-Han Shim. QuEChERS approach for conventional detectors-A review. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P1024**
- 138-** So Jeong Im, Sung-Woo Kim, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Md. Humayun Kabir, Truong Lieu, Young-Jun Lee, Da-I Jung, Jeong-Heui Choi, Jae-Han Shim. Comparative studies on dissipation behavior of fluquinconazole and flusilazole in lettuce grown under greenhouse conditions in two different areas. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P1034**
- 139-** Jin-A Park, Dan Zhang, Dong-Soon Kim, Seong-Kwan Kim, Kyeong-Su Cho, Dana Jeong, Jin-Suk Kim, Jae-Han Shim, [A. M. Abd El-Aty](#), Ho-Chul Shin. Development of an HPLC-FLD method for quantification of piperazine in animal products by using precolumn derivatization. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-14, 2015. P1036.**
- 140-** Da-I Jung, Waziha Farha, Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Md. Humayun Kabir, Jeong-Heui Choi, Sung-Woo Kim, So Jeong Im, Young-Jun Lee, Ho-Chul Shin, Jae-Han Shim. A combination of SPE and d-SPE effectively reduces the matrix interferences in

LC-UVD during pyraclostrobin analysis in Perilla leaves. **The 45th World Chemistry Congress, IUPAC-2015, Busan, Republic of Korea, August 9-15, 2015. P1038.**

141- Han Sol Lee, Hyung Suk Chung, Md. Musfiqur Rahman, Md. Humayun Kabir, [A. M. Abd El-Aty](#), Jae-Han Shim. Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) Quantification of Acetamiprid and Thiacloprid Residues in Butterbur Grown under Regulated Conditions. **2017 International Symposium and Annual Meeting of the KSPS, MVL Hotel, Yeosu, Republic of Korea, April 6-7, 2017. P-24**

142- Hyung Suk Chung, Han Sol Lee, [A. M. Abd El-Aty](#), Md. Musfiqur Rahman, Md. Humayun Kabir, Byung-Jun Park, Jang-Eok Kim, Jae-Han Shim. Residues and dissipation Half-life of Veterinary Antibiotics, Chlortetracycline, Enrofloxacin, and Sulfathiazole in soil. **2017 International Symposium and Annual Meeting of the KSPS, MVL Hotel, Yeosu, Republic of Korea, April 6-7, 2017. P-30**

143- Han Sol Lee, [A. M. Abd El-Aty](#), Hyung Suk Chung, Md. Humayun Kabir, Md. Musfiqur Rahman, and Jae-Han Shim. Determination of The Residual Levels of Pyrifluquinazon and Its Metabolite in Butterbur Grown Under Regulated Conditions Using Liquid Chromatography-Tandem Mass Spectrometry. **The 5th International Symposium on Environmental Analytical Chemistry (ISEAC 5-Asia), Ho Chi Minh City, Vietnam, May 17-20, 2017, pp 65 (TP2-TV-2005).**

144- Md. Humayun Kabir, [A. M. Abd El-Aty](#), Md. Musfiqur Rahman, Sung-Woo Kim, Han Sol Lee, Hyung Sik Chung, and Jae-Han Shim. Dissipation Kinetics, Pre-Harvest Residue Limits, and Hazard Quotients Assessment of Flubendiamide and Fluopicolide in Oriental Melon (*Cucumis melo L. var. makuwa*) Grown Under Plastic House Regulated Conditions. **The 5th International Symposium on Environmental Analytical Chemistry (ISEAC 5-Asia), Ho Chi Minh City, Vietnam, May 17-20, 2017, pp 65 (TP2-TV-2006).**

145- Hyung Suk Chung, Young-Jun Lee, [A. M. Abd El-Aty](#), Han Sol Lee, Md. Musfiqur Rahman, Md. Humayun Kabir, Byung-Jun Park, Jang-Eok Kim, and Jae-Han Shim. The Uptake of Antibiotics, Chlortetracycline, Enrofloxacin, and Sulfathiazole from Soil to Radish (*Raphanus sativus L.*). **The 5th International Symposium on Environmental Analytical Chemistry (ISEAC 5-Asia), Ho Chi Minh City, Vietnam, May 17-20, 2017, pp 66 (TP2-TV-2007).**

146- Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), Md. Humayun Kabir, Hung Suk Chung, Han Sol Lee, and Jae-Han Shim. An Effective Methodology for Analyzing Dinotefuran and Its Metabolites in Plum Using Liquid Chromatography-Tandem Mass Spectrometry. **The 5th International Symposium on Environmental Analytical Chemistry (ISEAC 5-Asia), Ho Chi Minh City, Vietnam, May 17-20, 2017, pp 66 (TP2-TV-2008).**

147- Tae Woo JUNG, [A. M. ABD EL-ATY](#), Ji Hoon JEONG. Protectin DX ameliorates hepatic steatosis by suppression of endoplasmic reticulum stress via AMPK-induced ORP150 expression. **The 19th Congress of Parenteral and Enteral Nutrition Society of Asia (PENSA 2018), Grand Walkerhill Hotel Seoul, Republic of Korea, June 13 - 16, 2018. Abstract No. : PE008**

148- A. M. ABD EL-ATY, T. W. JUNG, H.C. KIM, J. H. JEONG. Maresin 1 attenuates NAFLD by suppression of endoplasmic reticulum stress via AMPK-SERCA2b pathway. **The 19th Congress of Parenteral and Enteral Nutrition Society of Asia (PENSA 2018)**, Grand Walkerhill Hotel Seoul, Republic of Korea, June 13 - 16, 2018. Abstract No. : PE010

Invited seminars

- 1- **Establishing Criteria for Patient Inclusion.** PharmacoGenomics Research Center, Inje University College of Medicine, 633-165 Gaegum-dong, Jin-Gu, Busan 614-735, Republic of Korea, **Dec 12, 2004.**
- 2- **Developing Time and Events Schedules.** PharmacoGenomics Research Center, Inje University College of Medicine, 633-165 Gaegum-dong, Jin-Gu, Busan 614-735, Republic of Korea, **Dec 21, 2004.**
- 3- **Preparing, Packaging and dispensing of Clinical Trial Medications.** PharmacoGenomics Research Center, Inje University College of Medicine, 633-165 Gaegum-dong, Jin-Gu, Busan 614-735, Republic of Korea, **Dec 28, 2004.**
- 4- **Collecting Adverse Event and Adverse Reaction data in Clinical Trials.** PharmacoGenomics Research Center, Inje University College of Medicine, 633-165 Gaegum-dong, Jin-Gu, Busan 614-735, Republic of Korea, **Dec 28, 2004.**
- 5- **For PhD and Master Programs, Scientific papers, their publishing and presentations: my experiences.** Natural Products Chemistry Laboratory, Institute of Agricultural Science and Technology, College of Agriculture and Life Science, Chonnam National University, 300 Yong-Bong Dong, Buk-Ku, Gwangju 500-757, Republic of Korea, **October 8, 2005.**
- 6- **For PhD and Master Programs, Scientific papers, their publishing and presentations: my experiences.** Department of Veterinary Pharmacology and toxicology, College of Veterinary Medicine, Konkuk University, 1 Hwayang-dong. Kwangjin-gu, Seoul 143-701, Republic of Korea, **May 12, 2006.**
- 7- **“How-to” Guide to Writing and Publishing Research Articles for Scientific Journals.** College of Agriculture and Life Science, Chonnam National University, 300 Yong-Bong Dong, Buk-Ku, Gwangju 500-757, Republic of Korea, **February 8, 2007.**
- 8- **Inhibition of Canine Hepatic Microsomal Cytochrome P-450 1A and 2D Activities *in vitro* by the Major Volatile Components in Korean Danggui, Decursin and Decursinol Angelate.** College of Veterinary Medicine, Konkuk University, 1 Hwayang-dong. Kwangjin-gu, Seoul 143-701, Republic of Korea, **March 31, 2007.**
- 9- **“How-to” Guide to Writing and Publishing Research Articles for Scientific Journals.** Department of Veterinary Pharmacology and toxicology, College of Veterinary Medicine, Konkuk University, 1 Hwayang-dong. Kwangjin-gu, Seoul 143-701, Republic of Korea, **June 14, 2007.**

- 10- **Various Extraction and Analytical Techniques Used for Sample Evaluation.** Department of Food Science and Biotechnology of Animal Resources, Konkuk University, 1 Hwayang-dong, Kwangjin-gu, Seoul 143-701, Republic of Korea, **December 5, 2007.**
- 11- **Guidelines to Writing a Proposal, Thesis, and/or Dissertation.** College of Agriculture and Life Science, Chonnam National University, 300 Yong-Bong Dong, Buk-Ku, Gwangju 500-757, Republic of Korea, **December 14, 2007.**
- 12- **Approaches for application of sub and supercritical fluid extraction for quantification of orbifloxacin from plasma and milk: application to disposition kinetics.** College of Veterinary Medicine, Gyeongsang National University, Jinju, 660-701, Republic of Korea, **October 21, 2009.**
- 13- **“Tips for Scientific Writing”** College of Agriculture and Life Science, Chonnam National University, 300 Yong-Bong Dong, Buk-Ku, Gwangju 500-757, Republic of Korea, **March 21, 2014.**
- 14- **“Tips for Scientific Writing”** Department of Chemistry and Research Institute of Life Science, Gyeongsang National University, Jinju 660-701, Republic of Korea, **May 15, 2014.**
- 15- **“Scientific Writing: My experience as an editor, reviewer, and author”** College of Food Science and Technology, Konkuk University, Seoul, Republic of Korea, **June 9, 2014.**
- 16- **“Scientific Writing: Technical aspect of view”.** Chonnam National University, 300 Yong-Bong Dong, Buk-Ku, Gwangju 500-757, Republic of Korea, **October 8, 2014.**
- 17- **“Publishing in Prestigious Journals”** College of Food Science and Technology, Konkuk University, Seoul, Republic of Korea, **July 4, 2015.**
- 18- **“Publishing in Prestigious Journals”.** College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, **July 28, 2015.**
- 19- **“A Journey through Scientific Writing: My Experience as an Author, Reviewer, and Editor”.** College of Engineering, Chonbuk National University, Jeongju, Republic of Korea, **April 16, 2016.**
- 20- **“The Journey of Veterinary Antibiotics from livestock to plant: An overview”.** College of Veterinary Medicine, Gyeongsang National University, Jinju, Republic of Korea, **July 19, 2017.**
- 21- **“A Journey through Scientific Writing: My Experience as an Author, Reviewer, and Editor”.** Institute of Quality Standard and Testing Technology for Agro-products, Chinese Academy of Agricultural Sciences, Key Laboratory of Agro-product Quality and Safety, Ministry of Agriculture, Beijing, 100081, P. R. China, **October 14-15, 2017.**

- 22- **“The Journey of Veterinary Antibiotics from livestock to plant: An overview”**. Institute of Quality Standard and Testing Technology for Agro-products, Chinese Academy of Agricultural Sciences, Key Laboratory of Agro-product Quality and Safety, Ministry of Agriculture, Beijing, 100081, P. R. China, **October 14-15, 2017**.

Invited talks at conferences, symposium and meetings

1- N. L. Regmi, **A. M. Abd El-Aty**, R. Kubota, M. Nakamura and M. Shimoda. Effect of fluoroquinolones on the canine hepatic microsomal enzymes CYP1A: *in vitro* and *in vivo* studies. **The 89th International Symposium of the Korean Society for Applied Biological Chemistry, College of Agriculture and Life Sciences, Chonnam. National University, Gwangju, Korea, April 21, 2006. PP: 162.**

2- **A. M. Abd El-Aty**, B. M. Kim, S. S. Shah, M. Shimoda, J. H. Shim. Inhibition of Canine Hepatic Microsomal Cytochrome P-450 1A Activities *in vitro* by the Major Volatile Components in Korean Danggui, Decursin and Decursinol Angelate. **1st International Symposium on Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture, College of Agriculture and Life Sciences, Chonnam. National University, Gwangju, Korea, October 30, 2006.**

3- **A. M. Abd El-Aty**, B. M. Kim, S. S. Shah, M. Shimoda, J. H. Shim. Inhibition of Canine Hepatic Microsomal Cytochrome P-450 1A Activities *in vitro* by the Major Impact Components in Korean Danggui, Decursin and Decursinol Angelate. **The perspective of Agriculture Resources and Environmental Science for 21st Century, International Symposium of College of Agriculture and Life Sciences, Chonnam. National University, Gwangju, Korea, November 23, 2006.**

4- **A. M. Abd El-Aty**. The veterinary drug registration policy and the use herbal medicines in the Middle East: Egypt as a model. **International Symposium on the Veterinary Drug Registration and the Uses of Herbal Medicines, National Veterinary Research and Quarantine Service, An-yang, Republic of Korea, December 7, 2007.**

5- **A. M. Abd El-Aty**. Effect of Korean Danggui on Canine Liver Microsomal Enzyme. **The 2008 Annual Meeting and Spring Conference of the Korean Society of Pesticide Science, Muju Resort, Republic of Korea, April 10-11, 2008.**

6- **A. M. Abd El-Aty**, Jeong-Heui Choi, Ma-Wou Ko, Sathya Khay, Ayman Goudah, Ho-Chul Shin, Jae-Han Shim. Introduction of supercritical fluid extraction as a new sample-preparation procedure for isolation and identification of a pharmaceutical from biological fluids: Application to disposition kinetics. **The 52th Anniversary International Symposium of the Korean Society of Veterinary Science, Kimdaejung convention center, Gwangju, September 25 to 26, 2008.**

7- **A. M. Abd El-Aty**, Jeong-Heui Choi, Ma-Wou Ko, Sathya Khay, Ayman Goudah, Ho-Chul Shin, Jae-Han Shim. Approaches for application of sub and supercritical fluid extraction for quantification of orbifloxacin from plasma and milk: application to disposition kinetics. **4st International Symposium on Trends and Application of Bio-Control and Monitoring**

Technique for Sustainable Agriculture, College of Agriculture and Life Sciences, Chonnam National University, Gwangju, Republic of Korea, October 29, 2008.

8- [A. M. Abd El-Aty](#). Extraction of Fluoroquinolone Residues from Animal Tissue by Supercritical Fluid and Quantification using Liquid Chromatography. **BK21 Symposium on Molecular Materials and Nanochemistry**, Gyeongsang National University, Jinju, Republic of Korea, February 18-19, 2010.

9- Jeong-Heui Choi, [A. M. Abd El-Aty](#), Kyung Tae Kim, Jae-Han Shim. Inert matrix and Na₄EDTA improve the supercritical fluid extraction efficiency of fluoroquinolones for HPLC determination in pig tissues. **KSEA's 30th Anniversary International Symposium "Management and Strategy on Sustainable Environment Leading to Food Safety"**, Busan, Republic of Korea, July 8-9th, 2010.

10- Md. Musfiqur Rahman, [A. M. Abd El-Aty](#), and Jae-Han Shim. Matrix enhancement effect: blessing or a curse for the gas chromatography? **Global Conferences on Environmental Studies**, Antalya, Turkey, April 24-27, 2013.

11- [A. M. Abd El-Aty](#). Residues and contaminants in tea and tea infusions: Does it pose a public health hazard? **2014 1st International Symposium on "Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture"**, College of Agriculture and Life Science, Chonnam National University Gwangju, Republic of Korea, November 6, 2014.

12- [A. M. Abd El-Aty](#). Simultaneous Determination of Multi-class Veterinary Drugs in animal food products. **2015 2nd International Symposium on "Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture"**, College of Agriculture and Life Science, Chonnam National University Gwangju, Republic of Korea, October 8, 2015.

13- [A. M. Abd El-Aty](#). Contaminants in tea infusions (brewing): Does it pose a public health hazard? **16th Asian Chemical Congress**, Dhaka, Bangladesh, March 16-19, 2016.

14- [A. M. Abd El-Aty](#). "QuEChERS" approach for traditional/conventional detectors in pesticide residue analysis. **2017 Annual Meeting on The Korean Society of Pesticide Science**, MVL Hotel, Yeosu, Republic of Korea, April 6 – 7, 2017.

15- [A. M. Abd El-Aty](#). "QuEChERS" approach for traditional/conventional detectors in pesticide residue analysis. **The 12th International Symposium on Pharmaceutical Sciences (ISOPS)**, Ankara, Turkey, June 26-29, 2018.

16- [A. M. Abd El-Aty](#). "QuEChERS" Approach for Traditional/Conventional Detectors in Pesticide Residue Analysis. **2018 International Conference on Agricultural and Food Science (ICAFS2018)**, Nibbon Hotel, Istanbul, Turkey, October 28-30, 2018.

17- [A. M. Abd El-Aty](#). "Challenges in Scientific Publication: Editor, Reviewer and Author perspectives". **2018 International Conference on Agricultural and Food Science (ICAFS2018)**, Nibbon Hotel, Istanbul, Turkey, October 28-30, 2018.

18- **A. M. Abd El-Aty.** “Challenges in Scientific Publication: Editor, Reviewer and Author perspectives”. **International IVEK BIO 2018 Congress, Ottoman Archives Conventional Center, Istanbul, Turkey, 26-28 November 2018.**

Scientific Association memberships

- 1- Korean Society of Agriculture and Environment
- 2- Egyptian Society of Animal Management
- 3- Egyptian Society of Physiology
- 4- Egyptian German Society of Zoology
- 5- the Italo_Latin American Asian and African Society of Ethnomedicine
- 6- Korean Chemical Society

Research Grants

1- A study on the analysis of fluoroquinolone antibiotics in pork and optimal use method of antibiotics using SFE/HPLC - **Source: KRF, Korea Research Foundation – 2005-2006 – Budget: 99,034\$ - (Role: Consultant)**

2- Development of an authorized testing method for application of maximum residue limits for Codex animal medicine - **Source: MFDS, Ministry of Food and Drug Safety, Korea – 2006 – Budget: 99,051\$ - (Role: Consultant)**

3- A study on the establishment for pre-harvest residue limit of crops - **Source: NAQS: National Agricultural Projects Quality Management Service, Korea – 2008 - Budget: 22.705\$ - (Role: Consultant)**

4- Evaluating the potential effects of decursin and decursinol angelate on cytochrome P450 subfamilies using canine hepatic microsomes: *in vitro study*, **Konkuk University, 8,000 \$, April 2007 – March 2008 (Role: Principal investigator)**

5- A study on the development of scientific evidence of maximum residue limits of pesticides - **Source: KHIDI, Korea Health Industry Development Institute – 2009-2011 – Budget: 767.960\$ - (Role: Consultant)**

6- A study on the development of application method for residual reduction of permeable pesticide in crops - **Source: RDA: Rural Development Administration, Korea - 2012-2013 – Budget: 123,885\$ - (Role: Participant)**

Academic services

1- **Scientific Chairman**, at the 2nd International Symposium for the Second Stage of Brain Korea (BK21) “Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture” College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, **October 9, 2007**

2- **Scientific Chairman**, at the 3rd International Symposium for the Second Stage of Brain Korea (BK21) “Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture” College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, **October 20, 2008.**

3- Scientific Chairman, at the 5th International Symposium for the Second Stage of Brain Korea (BK21) “Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture” College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, **October 4, 2010.**

4- Scientific Chairman, at the 6th International Symposium for the Second Stage of Brain Korea (BK21) “Trends in Bio-control, Bio-monitoring and Bio-toxicokinetics for Sustainable Agriculture” College of Agriculture and Life Science, Chonnam National University, Gwangju, Republic of Korea, **October 4, 2011.**

5- Scientific Chairman at 2013 International Conference on Life Science & Biological Engineering, Tokyo (Japan), **March 15-17, 2013**

6. Scientific Chairman, at the Global Conferences on Environmental Studies, Antalya, Turkey, **April 24-27, 2013.**

7. Scientific Chairman at 2014 1st International Symposium on “Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture”, College of Agriculture and Life Science, Chonnam National University Gwangju, Republic of Korea, **November 6, 2014.**

8. Scientific Chairman at 2015 2nd International Symposium on “Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture”, College of Agriculture and Life Science, Chonnam National University Gwangju, Republic of Korea, **October 8, 2015.**

8. Scientific Chairman at 2016 3rd International Symposium on “Trends and Application of Bio-control and Monitoring Techniques for Sustainable Agriculture”, College of Agriculture and Life Science, Chonnam National University Gwangju, Republic of Korea, **October 6, 2016.**

9. Scientific Chairman at The 12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, **June 26-29, 2018.**

10. Scientific Chairman at 2018 International Conference on Agricultural and Food Science (ICAFS2018, Nibbon Hotel, Istanbul, Turkey, **October 28-30, 2018.**

11. Scientific Chairman at International İVEK BIO 2018 Congress, Ottoman Archives Conventional Center, Istanbul, Turkey, **26-28 November 2018.**

Conference organizing committee

1- 3rd International Conference and Exhibition on Biowaivers and Biosimilars, October 27-29, 2014, Hyderabad, India

<http://www.pharmaceuticalconferences.com/biowaivers-biosimilars-2014/committee.php>

2- 2014 Spring International Conference on Agriculture and Food Engineering (AFE-S), April 16 -18, 2014, Shanghai, China.

<http://www.engii.org/scet2014/OrganizingCommittee.aspx>

International recognition

Expert Roster of the Joint (FAO/WHO) Expert Committee on Food Additives

Regional standing

Managing Editor – Journal of Advanced Research – from 2009 - 2019

Associate Editor - Journal of Advanced Research – from 2009 to date

<http://www.elsevier.com/wps/find/journaldescription.authors/722881/description#description>

EIC - Lipids in Health and Disease – from April 2020 – to date

<https://lipidworld.biomedcentral.com/about/editorial-board>

Associate Editor - Lipids in Health and Disease – from 2019 – to date

<https://lipidworld.biomedcentral.com/about/editorial-board>

Academic Editor – PLOS ONE – From Aug 2020 – to date

<https://journals.plos.org/plosone/static/editorial-board>

Associate Editor – frontiers in Nutrition – Food Chemistry – From Aug 2020 – to date

<https://www.frontiersin.org/journals/nutrition/sections/food-chemistry>

Advisory board

Biomedical Chromatography (BMC)

www.wileyonlinelibrary.com/journal/bmc

Separation Science Plus (SSP)

<https://onlinelibrary.wiley.com/page/journal/25731815/homepage/editorialboard.html>

Veterinary Medicine: Research and Reports

<https://www.dovepress.com/journal-editor-veterinary-medicine-research-and-reports-eic108>

International Journal of Agricultural and Food Research (IJAFR)

<https://www.sciencetarget.com/site/index.php/editorial-board-ijafr>

International Journal of Advanced Research in Chemical Science (IJARCS)

<https://www.arcjournals.org/international-journal-of-advanced-research-in-chemical-science/editorial-board>

Journal of Bioequivalence & Bioavailability

<http://www.omicsonline.org/bioequivalence-bioavailability.php>

Manuscript reviewer for:

Biomedical Chromatography (BMC)

Journal of Separation Science (JSS)
Separation Science Plus (SSP)
Food Chemistry (FC)
Analytica Chimica Acta (ACA)
Journal of Chromatography A (JCA)
Journal of Chromatography B (JCB)
Environmental Monitoring and Assessment (EMAS)
Environmental Science and Pollution Research (ESRP)
Food Control
Food Research International
Biomedical Chromatography
Separation Science Plus
Journal of Separation Science
Journal of Pharmaceutical and Biomedical Analysis
Journal of Agricultural and Food Chemistry
Desalination and Water Treatment
Applied Biological Chemistry
Science of the Total Environment

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