

## Assoc. Prof. Onur ŞENOL

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 192595

### Education Information

Doctorate, Ataturk University, Eczacılık Fakültesi/Sağlık Bilimleri Enstitüsü, Temel Eczacılık Bilimleri/Analitik Kimya, Turkey 2010 - 2015

Postgraduate, Ataturk University, Eczacılık Fakültesi/Sağlık Bilimleri Enstitüsü, Temel Eczacılık Bilimleri/Analitik Kimya, Turkey 2008 - 2010

Undergraduate, Middle East Technical University, Eğitim Fakültesi/Kimya Öğretmenliği, Turkey 2001 - 2007

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Bazı ilaç etkin maddelerinin antioksidan aktivite/ kapasitelerinin çeşitli yöntemlerle belirlenmesi ve kemometrik hesaplamalarla sınıflandırılması, Atatürk Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri/Analitik Kimya, 2015

Postgraduate, Tiyamin ve piridoksin etkin maddelerinin farmasötik preparatlarda HPLC yöntemi ile analizi, Atatürk Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri/Analitik Kimya, 2010

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Analytical Chemistry

### Academic Titles / Tasks

Associate Professor, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2020 - Continues

Assistant Professor, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2020

Assistant Professor, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2016 - 2018

### Academic and Administrative Experience

Metodoloji ofisi, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Proje Ofisi Eczacılık fakültesi koordinatörlüğü, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2022 - Continues

Erasmus Coordinator, Ataturk University, Eczacılık Fakültesi, 2018 - Continues

Rectorate Commissioner, Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2017 - Continues

## Courses

Analitik Kimya II, Undergraduate, 2022 - 2023

Analitik Kimya Laboratuvarı II, Undergraduate, 2022 - 2023, 2020 - 2021

Metot Geliştirme ve Validasyon, Postgraduate, 2022 - 2023

Raman spektroskopisi, Postgraduate, 2022 - 2023

metabolimiks ve uygulamaları, Doctorate, 2022 - 2023

satranç ve zeka oyunları, Undergraduate, 2022 - 2023

Kemometrik Analiz Yöntemleri ve Uygulamaları, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

In Vitro Aktivite Yöntemleri, Postgraduate, 2022 - 2023

Analitik Kimya I, Undergraduate, 2022 - 2023

Analitik Kimya Laboratuvarı I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Radyokimya ve Medisinal Uygulamaları, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020

Analiz Cihazları Kurma ve Çalıştırma, Postgraduate, 2022 - 2023

Farmasötik Analiz ve Yöntem Geçerlilik Testleri (Validasyon), Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Dijital Okuryazarlık, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

## Jury Memberships

Competition, Teknofest, Atatürk Üniversitesi, November, 2022

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Co-exposure effect of different colour of LED lights and increasing temperature on zebrafish larvae (*Danio rerio*): Immunohistochemical, metabolomics, molecular and behaviour approaches**  
Pir R., SULUKAN E., ŞENOL O., ATAKAY M., BARAN A., Kankaynar M., Yıldız E., SALİH B., CEYHUN S. B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.951, 2024 (SCI-Expanded)
- II. **Investigating the pathogenesis of vitreous in postmortem COVID patients via untargeted metabolomics based bioinformatics model**  
Kesmen E., Nezih Kök A. N., ATEŞ O., ŞENOL O.  
Legal Medicine, vol.70, 2024 (SCI-Expanded)
- III. **Combined spectroscopic and chromatographic techniques augmented with chemometrics for the authentication of black cummin (*Nigella sativa* L.) seed oil**  
ÇELİK S. E., Karaman Ersoy Ş., Kaya E. N., ŞENOL O., APAK M. R.  
Journal of Food Composition and Analysis, vol.131, 2024 (SCI-Expanded)
- IV. **Dysregulated Leukotriene Metabolism in Patients with COVID-19**  
DOĞAN H. O., BUDAK M., Doğan K., Zararsız G. E., YERLİTAŞ S. İ., BOLAT S., ŞENOL O., BÜYÜKTUNA S. A., PINARBAŞI E., Sarıismailoğlu R., et al.  
Japanese journal of infectious diseases, vol.77, no.3, pp.129-136, 2024 (SCI-Expanded)
- V. **Bioinformatics-driven untargeted metabolomic profiling for clinical screening of methamphetamine abuse**

Kesmen E, Asliyüksək H, KÖK A. N., ŞENOL C., Özli S., ŞENOL O.

Forensic Toxicology, 2024 (SCI-Expanded)

- VI. **Investigating the metabolic alterations of metastatic and local prostate cancer patients via PET/CT assisted untargeted metabolomics approach**  
MAMAN A., ŞENOL O.  
Journal of Radioanalytical and Nuclear Chemistry, 2024 (SCI-Expanded)
- VII. **LUNGBANK: A Novel Biorepository Strategy Tailored for Comprehensive MultiOmics Analysis and P-Medicine Applications in Lung Cancer**  
Demircan Ceker D., Baysungur V., Evman S., Kolbas I., Gordebil A., Nalbantoglu S. M., Tambag Y., Kacar O., Midi A., Aslanoglu H., et al.  
TURKISH JOURNAL OF BIOLOGY, no.3, 2024 (SCI-Expanded)
- VIII. **Evaluating Alterations in Breast Cancer Patients after Recovery Via A PET/CT-Assisted Metabolomics Approach.**  
Maman A., Senol O.  
Puerto Rico health sciences journal, vol.42, no.4, pp.276-282, 2023 (SCI-Expanded)
- IX. **Global warming and nanoplastic toxicity; small temperature increases can make gill and liver toxicity more dramatic, which affects fillet quality caused by polystyrene nanoplastics in the adult zebrafish model**  
ŞENOL O., Sulukan E., BARAN A., BOLAT İ., TORAMAN E., ALAK G., YILDIRIM S., Bilgin G., CEYHUN S. B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.892, 2023 (SCI-Expanded)
- X. **Antioxidant/protective effects of carob pod (*Ceratonia siliqua* L.) water extract against deltamethrin-induced oxidative stress/toxicity in zebrafish larvae**  
Ünal E., Sulukan E., Şenol O., Baran A., Nadaroğlu H., Kankaynar M., Kızıltan T., Ceyhun S. B.  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.267, 2023 (SCI-Expanded)
- XI. **Nano-sized polystyrene plastic particles affect many cancer-related biological processes even in the next generations; zebrafish modeling**  
Sulukan E., ŞENOL O., BARAN A., Kankaynar M., Yildirim S., Kiziltan T., BOLAT İ., CEYHUN S. B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.838, 2022 (SCI-Expanded)
- XII. **Effects of the food colorant carmoisine on zebrafish embryos at a wide range of concentrations**  
Kiziltan T., Baran A., Kankaynar M., Şenol O., Sulukan E., Yıldırım S., Ceyhun S. B.  
ARCHIVES OF TOXICOLOGY, vol.96, no.4, pp.1089-1099, 2022 (SCI-Expanded)
- XIII. **A comprehensive study to evaluate the wound healing potential of okra (*Abelmoschus esculentus*) fruit**  
Sipahi H., Orak D., Reis R., Yalman K., ŞENOL O., Palabiyik-Yücelik Ş. S., Deniz İ., Algül D., Guzelmeric E., Çelep M. E., et al.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.287, 2022 (SCI-Expanded)
- XIV. **The synergic toxicity of temperature increases and nanopolystrene on zebrafish brain implies that global warming may worsen the current risk based on plastic debris**  
Sulukan E., Baran A., Şenol O., Yildirim S., Mavi A., Ceyhun H. A., Toraman E., Ceyhun S. B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.808, 2022 (SCI-Expanded)
- XV. **Evaluation of anticholinesterase effect of some *Epilobium* species and quantification of hyperoside by HPLC**  
KARAKAYA S., SÜNTAR İ., AYDIN B., Dursunoglu B., GÖZCÜ S., ŞENOL O., BAYRAK B., ÖZBEK H., KOCA M., Ceribasi S., et al.  
NATURAL PRODUCT RESEARCH, vol.36, no.5, pp.1296-1299, 2022 (SCI-Expanded)
- XVI. **Metabolomics approach: Interpretation of changes in rat plasma metabolites after solifenacin treatment**  
AKMAN T. Ç., KADIOĞLU Y., ŞENOL O., ERKAYMAN B.  
Brazilian Journal of Pharmaceutical Sciences, vol.58, 2022 (SCI-Expanded)
- XVII. **New bone cements with Pluronic (R) F127 for prophylaxis and treatment of periprosthetic joint**

## **infections**

TUNCER K., GÜR B., ŞENOL O., Aydın M. R., Gundogdu Ö.

JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.119, 2021 (SCI-Expanded)

- XVIII. **Understanding the pathophysiological changes via untargeted metabolomics in COVID-19 patients**  
Dogan H. O., ŞENOL O., BOLAT S., Yildiz S. N., BÜYÜKTUNA S. A., Sariismailoglu R., Dogan K., HASBEK M., Hekim S. N.  
JOURNAL OF MEDICAL VIROLOGY, vol.93, no.4, pp.2340-2349, 2021 (SCI-Expanded)
- XIX. **Blood thiamine pyrophosphate concentration and its correlation with the stage of diabetic retinopathy**  
ÇİNİCİ E., Dilekmen N., ŞENOL O., Arpali E., ÇİNİCİ Ö., Tanas S.  
INTERNATIONAL OPHTHALMOLOGY, vol.40, no.12, pp.3279-3284, 2020 (SCI-Expanded)
- XX. **Metabolomic profiling of liver tissues after acute administration of vardenafil in rats.**  
ŞENOL O., Palabiyik Ş. S., Polat B., KADIOĞLU Y., YAMAN M. E.  
Veterinary research forum : an international quarterly journal, vol.11, no.3, pp.213-217, 2020 (SCI-Expanded)
- XXI. **Serum metabolite profiling of ST-segment elevation myocardial infarction using liquid chromatography quadrupole time-of-flight mass spectrometry**  
Gundogdu G., Şenol O., Demirkaya Miloğlu F., Koza Y., Gündoğdu F., Hacımüftüoğlu A., Abd El-Aty A. M.  
Biomedical Chromatography, vol.34, no.2, 2020 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Understanding the side effects of chronic silodosin administration via untargeted metabolomics approach** **Comprendre les effets secondaires de l'administration chronique de silodosine via une approche métabolomique non ciblée**  
AKMAN T. Ç., KADIOĞLU Y., ŞENOL O., ERKAYMAN B., AYDIN İ. Ç.  
Annales Pharmaceutiques Francaises, vol.82, no.6, pp.1150-1162, 2024 (ESCI)
- II. **A metabolomics study: Could plasma metabolites be a guide for the prevention of tamsulosin side effects? Une étude métabolomique: les métabolites plasmatiques pourraient-ils être un guide pour la prévention des effets secondaires de la tamsulosine ?**  
Akman T. Ç., Kadioğlu Y., Şenol O., Erkayman B.  
Annales Pharmaceutiques Francaises, vol.81, no.2, pp.220-232, 2023 (ESCI)
- III. **Metabolomic profiling in ankylosing spondylitis using time-of-flight mass spectrometry**  
DOĞAN H. O., ŞENOL O., KARADAĞ A., Yildiz S. N.  
CLINICAL NUTRITION ESPEN, vol.50, pp.124-132, 2022 (ESCI)
- IV. **UV-VIS spectrophotometric-assisted chemometric calibration models for simultaneous determination of thiamine and pyridoxine vitamins in powdered infant formula**  
Demirkaya A. K., Demirkaya Miloğlu F., Şenol O.  
Macedonian Pharmaceutical Bulletin, vol.67, no.2, pp.1-20, 2022 (Peer-Reviewed Journal)
- V. **Determination of Clopidogrel in Pharmaceutical Preparation by UV Spectrophotometry and High Performance Liquid Chromatography Methods**  
Koçak Ö. F., Kadioğlu Y., Şenol O.  
International Journal of Innovative Research and Reviews, vol.4, no.1, pp.14-19, 2020 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Acrylamide Analysis and Its Importance in Natural Products**  
KADIOĞLU Y., ŞENOL O.  
5th International Eurasian Congress on Natural Nutrition, Healthy Life Sport, 2 - 06 October 2019
- II. **Classifying the Pharmaceutical Formulations in terms of Their Antioxidant Activity via Chemometric Calculations and Future Perspectives of This Model on Natural Products**

ŞENOL O., KADIOĞLU Y.

5th International Eurasian Congress on Natural Nutrition, Healthy Life Sport, 2 - 06 October 2019

- III. **Development Of Alternative Diagnosis and Methods With The Assistance of Metabolomics Technologies in Stomach Cancer Tissues**  
KIZILTAŞ N., KADIOĞLU Y., ŞENOL O.  
International Multidisciplinary Symposium On Drug Research & Development (Drd 2019), Malatya, Turkey, 1 - 03 July 2019
- IV. **Development Of Alternative Diagnosis and Methods With The Assistance of Metabolomics Technologies in Stomach Cancer Tissues**  
KIZILTAŞ N., KADIOĞLU Y., ŞENOL O.  
International Multidisciplinary Symposium On Drug Research & Development (Drd 2019), Malatya, Turkey, 1 - 03 July 2019
- V. **Metabolic Profiling of Silodosin on Unilateral Obstructed Rat Ureter**  
AKMAN T. Ç., KADIOĞLU Y., ŞENOL O., POLAT B.  
International Multidisciplinary Symposium On Drug Research & Development (Drd 2019), Malatya, Turkey, 1 - 03 July 2019
- VI. **Metabolic Profiling of Silodosin on Unilateral Obstructed Rat Ureter**  
AKMAN T. Ç., KADIOĞLU Y., ŞENOL O., POLAT B.  
International Multidisciplinary Symposium On Drug Research & Development (Drd 2019), Malatya, Turkey, 1 - 03 July 2019
- VII. **Determination in Pharmaceutical Preparations By HPLC-UV Method Of Hesperidin and Diosmin From Vasoprotective Drug Group**  
BAYRAK B., ÖZPOLAT A., HANECİOĞLU C., YAMAN M. E., ŞENOL O., KADIOĞLU Y.  
International Multidisciplinary Symposium On Drug Research & Development (Drd 2019), Malatya, Turkey, 1 - 03 July 2019
- VIII. **KRONİK PERİODONTİTİSLİ VE PERİODONTAL OLARAK SAĞLIKLIBİREYLERİN DİŞETİ DOKULARININ RAMAN SPEKTROSKOPİ YÖNTEMİ İLE ANALİZİ**  
ALBAYRAK M., ARABACI T., ŞENOL O., KADIOĞLU Y.  
4. Uluslararası Mesleki ve Teknik Bilimler Kongresi, 7 - 09 December 2018
- IX. **A Novel Diagnosis Approach on Paraffin Embedded Gastric Tissue Samples via Chemometrics Assisted Raman Spectroscopy**  
KADIOĞLU Y., ŞENOL O.  
ivekbio- International IVEK BIO Congress, 26 - 28 November 2018
- X. **Investigation of Metabolic Differences in ST Segment Elevation Myocardial Infarction**  
GÜNDOĞDU G., DEMİRKAYA MİLOĞLU F., ŞENOL O., KOZA Y., GÜNDOĞDU F.  
Turkish Society of Physiological Sciences 44th National Physiology Congress, 1 - 04 November 2018
- XI. **Evaluation of Clinical Data and Analysis of Metabolomics Change between ST Elevation Myocardial Infarction (STEMI) and Non-ST Elevation Myocardial Infarction (NSTEMI)**  
GÜNDOĞDU G., ŞENOL O., DEMİRKAYA MİLOĞLU F., KOZA Y., GÜNDOĞDU F.  
Turkish Society of Physiological Sciences 44th National Physiology Congress, 1 - 04 November 2018
- XII. **Evaluation of Clinical Data and Analysis of Metabolomics Change between ST elevation Myocardial Infarction and Non-ST Elevation Myocardial Infarction**  
GÜNDOĞDU G., ŞENOL O., miloğlu f. d., KOZA Y., GÜNDOĞDU F.  
44. Ulusal Fizyoloji Kongresi, Turkey, 1 - 04 November 2018
- XIII. **Investigation of the Relationships Between Knee Osteoarthritis and Obesity via Untargeted Metabolomics Analysis**  
ŞENOL O., GÜNDOĞDU K., GÜNDOĞDU G., DEMİRKAYA MİLOĞLU F.  
Turkish Society of Physiological Sciences 44th National Physiology Congress, 1 - 04 November 2018
- XIV. **Gıda Analizlerinde Omiks Teknolojileri**  
KADIOĞLU Y., ŞENOL O.  
Proceedings Book of International Eurasian Congress on Natural Nutrition Healthy Lif, 12 - 15 July 2018

- XV. **Evaluation of Larynx Tissue via Orthogonal PLS Algorithm Assisted FT-IR Spectroscopy**  
ŞENOL O., ALBAYRAK M., KADIOĞLU Y.  
ITAC (International Trace Analysis Congress) 2018, 20 - 23 July 2018
- XVI. **Evaluation of Larynx Tissue via Orthogonal PLS Algorithm Assisted FT-IR Spectroscopy**  
ŞENOL O., KADIOĞLU Y., ALBAYRAK M.  
EsAn2018, Uluslararası Eser Analiz Kongresi, 20 - 23 June 2018
- XVII. **The proliferative effect of fluid extracts from Rubia tinctorum L. on human dermal fibroblast cells**  
GÜNDOĞDU G., GÜNDOĞDU K., NALCI K. A., ŞENOL O., KARAKAYA S., DEMİRKAYA A. K., HACİMÜFTÜOĞLU A.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 22 - 25 March 2018
- XVIII. **Determination of Cefpodoxime Proxetil Derivatized with NBD-Cl in Pharmaceutical Preparations**  
ALBAYRAK M., ŞENOL O., ÖZDEMİR E.  
3rd International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 October 2017
- XIX. **Determination of Cefpodoxime proxetil in Pure and Pharmaceutical Preparations with spectrophotometer**  
ÖZDEMİR E., ALBAYRAK M., ŞENOL O.  
3 rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017
- XX. **Phytochemical Screening of Alcea pallida via GC-MS Method**  
ŞENOL O., SEZEN KARAOĞLAN E.  
DRD 2017, 5 - 07 October 2017
- XXI. **Determination of Tamsulosin in Pure and Pharmaceutical Dosage Forms via Spectrophotometric Method**  
KADIOĞLU Y., AKMAN T. Ç., ŞENOL O., YAMAN M. E.  
3rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, Erzurum, Turkey, 5 - 07 October 2017
- XXII. **Determination of Solifenacin Succinate in Pure and Pharmaceutical Dosage Forms via UV-Spectrophotometric Method**  
KADIOĞLU Y., AKMAN T. Ç., ŞENOL O., YAMAN M. E.  
3rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, Erzurum, Turkey, 5 - 07 October 2017
- XXIII. **Investigation of protective effect of parietin against glutamat excitotoxicita in primara cortical neuron culture**  
GÜNDOĞDU G., Taghizadehghalehjoughi a., ŞENOL O., ÇİÇEK B., NALCI K. A., HACİMÜFTÜOĞLU A.  
FEPS 2017, 13 - 15 September 2017
- XXIV. **INVESTIGATION OF PROTECTIVE EFFECT OF PARIETIN AGAINST GLUTAMATE EXCITOTOXICITY IN PRIMARY CORTICAL NEURON CULTURE**  
GÜNDOĞDU G., TAGHİZADEHGHALE A., ŞENOL O., ÇİÇEK B., NALCI K. A., HACİMÜFTÜOĞLU A.  
FEPS Congress, Viyana, Austria, 13 - 15 September 2017, vol.221, pp.210-258
- XXV. **İnsan Kolon Adenokarsinom Hücreleri (HT-29) Üzerinde Işıktan İzole Edilen Parietinin Sitotoksik ve Genotoksik Etkileri**  
ŞENOL O., GÜNDOĞDU G., DODURGA Y., ELMAS L.  
Uluslararası Katılımlı 43. Fiziyojji Kongresi, 7 - 10 September 2017
- XXVI. **Investigation of Effects of Rheum Ribes Extract on Human Dermal Fibroblast Cell Line**  
GÜNDOĞDU G., GÜNDOĞDU K., NALCI K. A., ÇİÇEK B., ŞENOL O., YILMAZ TAŞCI Ş., HACİMÜFTÜOĞLU A.  
43. ulusal fiziyojji kongresi, Turkey, 7 - 10 September 2017
- XXVII. **Işkın Bitki Ekstresinin İnsan Dermal Fibroblast Hücre Hattı Üzerindeki Etkilerinin Araştırılması**  
GÜNDOĞDU G., GÜNDOĞDU K., NALCI K. A., ÇİÇEK B., ŞENOL O., YILMAZ TAŞCI Ş., HACİMÜFTÜOĞLU A.  
Uluslararası Katılımlı 43. Fiziyojji Kongresi, 7 - 10 September 2017
- XXVIII. **Vardenafil etkin maddesinin sıçanlarda metabolom analizi.**  
ŞENOL O., KADIOĞLU Y., POLAT B., PALABIYIK Ş. S., YAMAN M. E.  
Uluslararası katılımlı XV.Ulusal Spektroskopji Kongresi, Turkey, 17 - 19 May 2017

- XXIX. **Rhenum Ribes (Işkın) Bitkisinin Metanol Ekstresinin CUPRAC Yöntemiyle Analizi**  
ŞENOL O., ÇÖMEZ A., AKMAN T. Ç., KADIOĞLU Y.  
3. Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017
- XXX. **Rhenum Ribes (Işkın) Bitkisinin Metanol Ekstresinin FRAP Yöntemiyle Analizi**  
ŞENOL O., SAĞLAM A. B., KOÇAK Ö. F., KADIOĞLU Y.  
3. Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017
- XXXI. **Rhenum Ribes (Işkın) Bitkisinin Metanol Ekstresinin DPPH Yöntemiyle Analizi**  
ŞENOL O., ARSLAN İ., KOÇAK Ö. F., KADIOĞLU Y., AKPINAR F., AK F.  
3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017
- XXXII. **Application of Photonics in Diagnosis of Invasive Ductal Carcinoma Tissues by FT IR and Raman Spectroscopy**  
ŞENOL O., ALBAYRAK M., DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., GÜNDOĞDU C., ÇALIK M.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- XXXIII. **Application of Photonics in Diagnosis of Papillary Thyroid Carcinoma Tissues by FT IR and Raman Spectroscopy**  
ALBAYRAK M., ŞENOL O., DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., GÜNDOĞDU C., ÇALIK M.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- XXXIV. **New Method for the Simultaneous Determination of Two Multicomponent Mixtures Containing Etodolac and Thiocolchicoside in Combined Pharmaceutical Preparation by Using Chemometric Calibration Methods**  
DEMİRKAYA MİLOĞLU F., POLATDEMİR E., ŞENOL O., ALBAYRAK M.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- XXXV. **Application of Photonics in Diagnosis of Thyroid Carcinoma Tissues by FT IR and Raman Spectroscopy**  
ALBAYRAK M., ŞENOL O., DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., GÜNDOĞDU C., ÇALIK M.  
10th Aegean Analytical Chemistry Days (AACD2016) International Conferences, 29 September - 02 October 2016
- XXXVI. **UV Visible Spectrophotometric Method Development and Validation for Determination of Albendazole in Tablets**  
ÖZ E., KADIOĞLU Y., YAMAN M. E., ŞENOL O.  
International Multidisciplinary Symposium on Drug Research and Development (DRD2015), 15 - 17 October 2015
- XXXVII. **Determination of in vitro antioksidant capacity of cardiovascular drugs**  
ŞENOL O., KADIOĞLU Y., APAK M. R.  
7th Black Sea Basin Conference on Analytical Chemistry, 10 - 15 September 2015
- XXXVIII. **Determination of in Vitro Antioxidant Capacity of Agonists**  
ŞENOL O., KADIOĞLU Y., APAK M. R.  
International Eurasia Pharmacy Congress, 3 - 07 September 2015
- XXXIX. **Development and Validation of LC MS method for Determination of Haloperidol in Human Plasma**  
YAMAN M. E., KADIOĞLU Y., ŞENOL O.  
International Eurasia Pharmacy Congress, 3 - 07 September 2015
- XL. **Determination of in vitro antioxidant capacity of cardiovascular drugs**  
ŞENOL O., KADIOĞLU Y.  
26th International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2015), 5 - 08 July 2015
- XLI. **Gabapentin etken maddesinin türevlendirme reaksiyonu ile analitik yöntem validasyonu**  
TURAN B., YILMAZ E., YAMAN M. E., ŞENOL O., KADIOĞLU Y., GÜLTEKİN M. S.  
3. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Turkey, 20 - 22 March 2015
- XLII. **AMLODİPİN MALEAT'IN ARIL İMİN TÜREVLERİNİN SENTEZİ VE FARMASÖTİK PREPARATLARDA ANALİTİK YÖNTEMLERİN VALİDASYONU**  
BAHADIR M., DALMIZRAK D., ŞENDİL K., YAMAN M. E., ŞENOL O., KADIOĞLU Y., GÜLTEKİN M. S.  
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- XLIII. **Pregabalin in Aril İmin Türevlerinin Sentezi ve Farmasötik Preparatlarda HPLC Yöntemiyle Analizi**  
ŞENDİL K., Mustafa B., YAMAN M. E., ŞENOL O., KADIOĞLU Y., GÜLTEKİN M. S.  
III. İlaç Kimyası, Üretimi, Teknolojisi Ve Standardizasyonu, Turkey, 20 - 22 March 2015
- XLIV. **Amlodipin Maleat in Aril İmin Türevlerinin Sentezi Ve Farmasötik Preparatlarda Analitik Yöntemlerin Validasyonu**  
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- XLV. **Gabapentin Etken Maddesinin Türevlendirme Reaksiyonu İle Analitik Yöntem Validasyonu**  
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- XLVI. **Evaluating the anti-oxidant capacity of commercial and fresh orange juices and classifying the samples with chemometric approach**  
KADIOĞLU Y., ŞENOL O.  
Workshop on determining antioxidants as reactive species scavengers, 27 - 28 October 2014
- XLVII. **Atipik Antipsikotik Bir İlaç Olan Olanzapinin Plazmadan Spektrofotometre Yöntemi İle Analizi**  
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- XLVIII. **Determination and Pharmacokinetics of Olanzapine in Human Plasma by LC MS Method**  
ALBAYRAK M., YAMAN M. E., ŞENOL O., KADIOĞLU Y.  
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- XLIX. **Determination of Olanzapine in Pharmaceutical Formulations by LC MS Method**  
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- L. **Determination of Citalopram in Pharmaceutical Preparation by HPLC-UV Method**  
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- LI. **Development and Validation of HPLC Method for Determination in Pharmaceutical Formulation of Pantoprazole used as Proton Pump Inhibitor drug**  
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9. Aegean Analytical Chemistry Days, 29 September - 03 October 2014
- LII. **Determination of citalopramin pharmaceutical preparation by HPLC-UV method**  
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- LIII. **Determination of citalopramin pharmaceutical preparation by HPLC-UV method**  
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- LIV. **Azitromisin Etkin Maddesinin Farmasötik Preparatlarda Miktar Tayini için UV-Görünür Bölge Spektrofotometrik Yöntemin Geliştirilip Geçerlilik testlerinin Yapılması**  
KOÇAK Ö. F., ŞENOL O., YAMAN M. E., KADIOĞLU Y.  
7. ulusal analitik kimya kongresi, Turkey, 1 - 05 September 2014
- LV. **Anti Tiroid İlaçlardan Metimazol'un Farmasötik Preparatlarda HPLC-DAD Yöntemiyle Miktar Tayini**  
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- LVI. **Cilostazol Etkin Maddesinin HPLC-UV Yöntemi ile Farmasötik Preparatlarda Miktar Tayini**  
YAMAN M. E., KOÇAK Ö. F., KADIOĞLU Y., ŞENOL O.  
7. ulusal analitik kimya kongresi, Turkey, 1 - 05 September 2014
- LVII. **Atipik Antipsikotik bir ilaç olan Olanzapinin Plazmadan Spektrofotometre Yöntemi ile Analizi**  
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2. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Turkey, 21 - 23 March 2014
- LVIII. **Türkiyede Satılan Kozmetik Ürünlerin Metil Paraben Miktarlarının Kemometrik Yöntemlerle Karşılaştırılması**



ŞENOL O., YAMAN M. E., KADIOĞLU Y., TUNA YILDIRIM S.

4. Kozmetik Kimyasi, Üretimi, Standardizasyonu Kongresi, Turkey, 14 - 16 February 2014

- LIX. **Design and Optimization of a New Kinetic Spectrophotometric Method for The Determination of Losartan Potassium in Pharmaceutical Products**  
DEMİRKAYA MİLOĞLU F., POLATDEMİR E., KADIOĞLU Y., ŞENOL O.  
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Indian Analytical Science Congress 2013, Goa, India, 15 - 17 August 2013, pp.98
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- LXVII. **Development and Validation of a Novel Method for Determination of Irbesartan in Spiked Human Plasma and Pharmaceutical Formulations By High Performance Liquid Chromatography**  
ŞENOL O., KADIOĞLU Y., YAMAN M. E.  
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- LXVIII. **Development and validation of a novel method for determination of irbesartan in spiked human plasma and pharmaceutical formulations by HPLC**  
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Kromatografi 2013, Turkey, 19 - 22 June 2013
- LXXI. **HPLC Yöntemiyle Kolesterol İlacı olan Ezetimib'in Belirlenmesi ve Farmasötik Preparatta Miktar Tayini**  
ŞENOL O., YAMAN M. E., KADIOĞLU Y.  
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- LXXII. **Determination of Valsartan and its Degradation Products by High Performance Liquid Chromatography Method with Fluorescence Detection (HPLC-FLD) and Nuclear Magnetic Resonance**

**(NMR) Spectroscopy in Pharmaceutical Formulations**

ŞENOL O., KADIOĞLU Y., GÜLTEKİN M. S., ALP C.

8th Aegean Analytical Chemistry Days, 16 June - 20 September 2012

- LXXIII. **HPLC Method for Determination of Cefuroxime Axetil in Pharmaceutical Preparations**  
TURAN A., ATİLA A., KADIOĞLU Y., ŞENOL O., YAMAN M. E.  
8th Aegean Analytical Chemistry Days, 16 - 20 September 2012
- LXXIV. **Pharmacokinetics of Etodolac in Rabbits: Effect of Food and Antibiotics**  
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ES-An-2012 11.Eser Analiz Çalıştayı, Turkey, 27 - 30 June 2012
- LXXXI. **Atipikal Antipsikotik İlaçlardan Olan zaponinin Farmasötik Preparatlarda Spektrofotometrik Yöntemle Miktar Tayini**  
ALBAYRAK M., ŞENOL O., KADIOĞLU Y.  
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- LXXXII. **Angiotensin reseptörü ilaçlarından olan irbesartanın spektrofotometre yöntemiyle miktar tayini**  
ŞENOL O., KADIOĞLU Y.  
Es-An 2012, Turkey, 27 - 30 June 2012
- LXXXIII. **Farmasötik Preparatlarda Irbesartan'ın HPLC-DAD Yöntemiyle Miktar analizi**  
ATİLA A., Yılmaz Ö., KADIOĞLU Y., ÖZTÜRK M., ŞENOL O.  
Kromatografi 2011, Turkey, 7 - 10 September 2011
- LXXXIV. **Farmasötik Preparatlarda Valsartan'ın Spektrofluorometre Yöntemiyle Miktar Tayini**  
ŞENOL O., KADIOĞLU Y.  
12. Ulusal Spektroskopi Kongresi, Turkey, 18 - 22 May 2011
- LXXXV. **Quantification of Pyridoxine and Thiamin in Pharmaceutical Preparation by HPLC Analysis**  
KADIOĞLU Y., ŞENOL O.  
3. Conference on Nonlinear Science and Complexity, 28 - 31 July 2010
- LXXXVI. **Antioksidan Vitamin olan α-Tokoferolün HPLC-DAD yöntemi ile Farmasötik Preparatlarda Tayini**  
DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., ŞENOL O.  
5 Ulusal Analitik Kimya Kongresi, Turkey, 21 - 25 June 2010

- LXXXVII. **Spectrofluorometric determination of  $\alpha$ -Tocopherol in healthy volunteers and patients with different types of stomach and bladder cancer**  
DEMİRKAYA MİLOĞLU F., KADIOĞLU Y., ŞENOL O.  
9th International Symposium on Pharmaceutical Sciences, 23 July 2009 - 26 July 2007
- LXXXVIII. **Antioksidan bir vitamin olan B-karotenin Uv-Gör., birinci- ve ikinci türev spektrofotometri yöntemleri ile farmasötik preparatlarda analizi**  
ŞENOL O., DEMİRKAYA MİLOĞLU F., KADIOĞLU Y.  
22. Ulusal Kimya Kongresi, Turkey, 6 - 10 October 2008

## Supported Projects

- BAŞÇI A., AYDIN M. R., ŞENOL O., GÜNDOĞDU Ö., GÜR B., TUNCER K., Project Supported by Higher Education Institutions, Vankomisin yüklü PluronicF127 polimer tabanlı termal ve bakteri duyarlı akıllı nanokapsüllü sement, 2020 - 2023  
Şenol O., Doğan H. O., TUBITAK Project, Covid-19 Hastalarında Lökotrien Metabolizmasının Değerlendirilmesi, 2020 - 2022
- YILAR S., ŞENOL O., TUNCER K., ENGİN M. Ç., Project Supported by Higher Education Institutions, Genç Sağlıklı Yaşlı Artritlik ve Yaşlı Nonartritlik İnsanların Diz Eklem Sıvılarının Metabolom Profillerinin Değerlendirilmesi, 2020 - 2021  
ŞENOL O., YAMAN M. E., KADIOĞLU Y., Project Supported by Higher Education Institutions, Hipoksi İskemik Ensefalopati hastası çocuklarda kişisel tedavi için minimal invazif biyobelirteçlerin tesbiti, 2018 - 2018  
KADIOĞLU Y., POLAT B., SEVİNÇ ÖZAKAR R., BİLGİNER S., ŞENOL O., YAMAN M. E., Project Supported by Higher Education Institutions, International Multidisciplinary Symposium on Drug Research and Development kongresinin düzenlenmesi, 2017 - 2018  
ŞENOL O., PALABIYIK Ş. S., POLAT B., KADIOĞLU Y., YAMAN M. E., Project Supported by Higher Education Institutions, "RATLARDA SİLDENAFİL, TADALAFİL VE VARDENAFİL ETKİN MADDELERİNİN KARACİĞER, BÖBREK, DALAK VE AKCİĞER DOKULARINDA METABOLOM ANALİZLERİNİN YAPILMASI", 2016 - 2017  
ŞENOL O., KOÇAK Ö. F., SEZEN KARAOĞLAN E., GÜNDOĞDU G., KADIOĞLU Y., YAMAN M. E., Project Supported by Higher Education Institutions, "ERZURUM BÖLGESİNDE YETİŞEN RHEUM RİBES L. BİTKİSİNDE ANTIOKSİDAN AKTİVİTE, PARİETİN TAYİNİ VE PARİETİN MARUZİYETİ SONRASI İNSAN KOLON ADENOKANSERİ HT-29 HÜCRE DİZİNİNDE HÜCRE CANLILIĞININ BELİRLENMESİ", 2016 - 2017  
KADIOĞLU Y., YAMAN M. E., KOÇAK Ö. F., ŞENOL O., Project Supported by Higher Education Institutions, "HPLC VE GC YÖNTEMLERİYLE K1 (FİLOKİNON) VİTAMİNİN BİYOANALİTİK YÖNTEM VALİDASYONU", 2016 - 2017

## Memberships / Tasks in Scientific Organizations

Metabolomics Society, Member, 2020 - Continues, Netherlands

## Scientific Refereeing

TUBITAK Project, 1002 - Quick Support Program, Ataturk University, Turkey, December 2020

## Metrics

Publication: 151

Citation (WoS): 218

Citation (Scopus): 245

H-Index (WoS): 10

H-Index (Scopus): 10

## **Congress and Symposium Activities**

Metabolomics 2020, Audience, Shaoxing, China, 2020

Esan 2018, Attendee, Sivas, Turkey, 2018

DRD 2017, Attendee, Erzurum, Turkey, 2017

Ulusal spektroskopi kongresi, Attendee, Yalova, Turkey, 2017

## **Awards**

Şenol O., Tübitak Proje ödülü, Tübitak, June 2020

## **Non Academic Experience**

Universitari i Politecnic La Fe

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