

## Assoc. Prof. Sevda SARITAŞ

### Personal Information

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### International Researcher IDs

ScholarID: r\_1XSWUAAAAJ

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Publons / Web Of Science ResearcherID: W-7445-2018

ScopusID: 5718855529

Yoksis Researcher ID: 283308

### Education Information

Doctorate, Ataturk University, Fen Bilimler Enstütisi, Fizik, Turkey 2011 - 2017

Postgraduate, Van Yüzüncü Yil University, Fen Bilimler Enstütisi, Fizik, Turkey 2007 - 2010

Undergraduate, Van Yüzüncü Yil University, Fen Fakültesi, Fizik, Turkey 2003 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Entrepreneurship, Türkiyede girişimcilik, TOBB EKONOMİ VE TEKNOLOJİ ÜNİVERSİTESİ, 2020

### Dissertations

Doctorate, Zn, Ni ve Co Katkılı Demir Oksit İnce Filmlerinin Yapısal, Elektriksel Ve Manyetik Özelliklerinin İncelenmesi, Atatürk Üniversitesi, Fen Bilimler Enstütisi, Fizik, 2017

Postgraduate, Manyetik İletken ve Yarıiletken Malzemelerin Magnetorezistans ve Hall Ölçümünün İncelenmesi, Van Yüzüncü Yil Üniversitesi, Fen Bilimler Enstütisi, Fizik, 2010

### Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Magnetic Properties and Materials, Electronic transport in condensed matter, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, Elektrik ve Enerji, 2018 - Continues

## Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, Elektrik ve Enerji, 2023 - Continues

Head of Department, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, Park ve Bahçe Bitkileri, 2020 - 2024

## Courses

Güç Elektroniği, Associate Degree, 2023 - 2024, 2018 - 2019

Alternatif Akım Devreleri, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Tıbbi Görüntüleme Teknolojileri, Associate Degree, 2023 - 2024, 2021 - 2022, 2020 - 2021

Analog Elektronik I, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Mikrodenetleyiciler, Associate Degree, 2023 - 2024

Temel Elektronik, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Tıbbi Cihaz Teknolojisi II, Associate Degree, 2023 - 2024

Temel Elektronik, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Doğru Akım Devreleri, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

ANALOG ELEKTRONİK 2, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Elektrik Bakım, Arıza Bulma ve Güvenlik, Associate Degree, 2023 - 2024, 2020 - 2021, 2019 - 2020

Medikal Cihazlarda Arıza Analizi, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021

MİKROELEKTRONİK FABRİKASYON BİLİMİ VE MÜHENDİSLİĞİ I, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Medikal Cihazlarda Arıza Analizi, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Teşhis ve Tedavi Cihazları, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Bitirme Projesi, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021

Sinyal İşleme Teknikleri, Associate Degree, 2023 - 2024

Sayısal Elektronik, Associate Degree, 2023 - 2024

Enerji Ekonomisi, Associate Degree, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

Alternatif Akım Devreleri, Associate Degree, 2021 - 2022, 2020 - 2021

Özel Tasarımlı Motorlar, Associate Degree, 2021 - 2022, 2020 - 2021

Temel Elektronik, Associate Degree, 2021 - 2022, 2020 - 2021, 2018 - 2019

Temel Fizik, Associate Degree, 2022 - 2023

Enerji Ekonomisi, Associate Degree, 2020 - 2021

Tesisata Giriş, Associate Degree, 2021 - 2022, 2020 - 2021

TEMEL ELEKTRİK VE ELEKTRONİK, Associate Degree, 2019 - 2020

Elektrik Bakım, Arıza Bulma ve Güvenlik, Associate Degree, 2020 - 2021, 2019 - 2020

Bilgi ve İletişim Teknolojisi, Associate Degree, 2020 - 2021, 2019 - 2020

Enerji Yönetimi, Associate Degree, 2020 - 2021, 2019 - 2020

Bilgi ve İletişim Teknolojisi, Associate Degree, 2019 - 2020

Hidroelektrik Santralleri, Undergraduate, 2018 - 2019

Yenilenebilir Enerji Kaynakları, Associate Degree, 2018 - 2019

Yüksek Gerilim Tekniği, Associate Degree, 2018 - 2019

DOĞRUDAN ENERJİ DÖNÜŞÜMÜ, Associate Degree, 2018 - 2019

Yenilenebilir Enerji Kaynakları, Associate Degree, 2018 - 2019

İklim Bilgisi, Associate Degree, 2018 - 2019

Elektrik Kumanda Sistemleri, Associate Degree, 2018 - 2019

Elektrik Kumanda Sistemleri, Associate Degree, 2018 - 2019

İklim Bilgisi, Associate Degree, 2018 - 2019

İklim Bilgisi, Associate Degree, 2018 - 2019

Yüksek Gerilim Tekniği, Associate Degree, 2018 - 2019

Hidroelektrik Santralleri, Associate Degree, 2018 - 2019  
Enerji Ekonomisi, Associate Degree, 2018 - 2019  
Toplumsal Cinsiyet Eşitliği, Associate Degree, 2018 - 2019  
Yenilenebilir Enerji Kaynakları, Associate Degree, 2018 - 2019

## Jury Memberships

Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2023  
Academic Staff Examination, Academic Staff Examination, Atatürk Üniversitesi, May, 2019

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

- I. **Exploring the Influence of Zn Impurities on the Structural, Optical, and H<sub>2</sub> Sensor Properties of Ultrasonic Spray Pyrolysis-Grown MgO Thin Films**  
Sağlam H. K., İskenderoğlu D., Güldüren M. E., Güney H., Sarıtaş S., Ertuğrul M.  
OPTİK, vol.315, pp.1-9, 2024 (SCI-Expanded)
- II. **Evaluation of lithium tetra borate glass-ceramics: Structural, physical and radiation safety properties using experimental and theoretical methods**  
EKİNCİ N., Alsaif N. A., Khattari Z., Rammah Y., Aygün B., KURUCU Y., SARITAŞ S.  
Nuclear Engineering and Technology, vol.56, no.11, pp.4887-4894, 2024 (SCI-Expanded)
- III. **EFFECT OF SILVER DOPING ON IRON OXIDE ELECTRICAL PROPERTIES**  
SARITAŞ S.  
SURFACE REVIEW AND LETTERS, 2024 (SCI-Expanded)
- IV. **Analysis of optical, structural, and morphological properties of a Ti-doped  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> thin film produced through RF and DC magnetron Co-sputtering**  
Salari M. A., Merhan Muğlu G., Şenay V., Sarıtaş S., Kundakçı M.  
CERAMICS INTERNATIONAL, vol.1, no.1, pp.1-5, 2024 (SCI-Expanded)
- V. **Dual-functional CuO:Fe<sub>2</sub>O<sub>3</sub>/n-Si heterojunction with applications in gas sensors and self-powered visible photodetectors**  
Sarıtaş S., Yıldırım F., Orhan Z., Aydoğan Ş.  
OPTICAL MATERIALS, vol.151, 2024 (SCI-Expanded)
- VI. **Optical, structural, morphological, and gas sensing properties of Mg-doped  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> thin films deposited by RF and DC magnetron Co-sputtering technique**  
SARITAŞ S., Muglu G. M., TURGUT E., KUNDAKÇI M., YILDIRIM M., Senay V.  
PHYSICA B-CONDENSED MATTER, vol.677, 2024 (SCI-Expanded)
- VII. **Hydrogen gas sensing and photodetector applications on electrofabricated Pd@CuCo<sub>2</sub>O<sub>4</sub> nanostructures**  
Orhan Z., Öztürk Doğan H., Aydoğan Ş., Sarıtaş S., Bingül Z.  
CERAMICS INTERNATIONAL, vol.50, no.5, pp.8472-8479, 2024 (SCI-Expanded)
- VIII. **Investigation of structural, physical and radiation attenuation properties of lithium tetra-borate with Cr<sub>2</sub>O<sub>3</sub> glass-ceramics: experimental and theoretical methods**  
EKİNCİ N., KAVAZ PERİŞANOĞLU E., Alsaif N. A. M., Rammah Y., SARITAŞ S., Aygün B.  
Journal of the Australian Ceramic Society, 2024 (SCI-Expanded)
- IX. **H<sub>2</sub> gas sensing applications of undoped and Fe-doped CuO thin films grown by USP**  
Karadeniz S. M., İSKENDEROĞLU D., Güldüren M. E., GÜNEY H., SARITAŞ S.  
Journal of Materials Science: Materials in Electronics, vol.34, no.27, 2023 (SCI-Expanded)
- X. **The photovoltaic and photodiode properties of Au/Carmine/n-Si/Ag diode**  
Bodur M., Duman S., Orak I., Sarıtaş S., Barış Ö.

Optics and Laser Technology, vol.162, 2023 (SCI-Expanded)

- XI. **Crystal structure effects on the Co-sputtered p-type Fe<sub>2-x</sub>Sn<sub>x</sub>O<sub>3</sub> hydrogen gas sensors**  
Saritaş S.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.48, no.91, pp.35809-35817, 2023 (SCI-Expanded)
- XII. **Assessment of structural, physical properties as well as radiation safety competence of lithium borate glass-ceramics: Experimental and theoretical evaluation**  
Ekinci N., Alsaif N. A. M., Aygün B., Saritaş S., Kalecik S., Rammah Y. S.  
Physica Scripta, vol.98, no.4, 2023 (SCI-Expanded)
- XIII. **Temperature-dependent gas sensor application of chromium oxide structure**  
SARITAŞ S.  
Journal of Materials Science: Materials in Electronics, vol.34, no.7, 2023 (SCI-Expanded)
- XIV. **Comprehensive growth and characterization study of GeO<sub>x</sub>/Si**  
Baghdedi D., Hopoglu H., SARITAŞ S., DEMİR İ., ALTUNTAŞ İ., Abdelmoula N., Gur E., Tuzemen E. S.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1274, 2023 (SCI-Expanded)
- XV. **Experimental and theoretical insights on the structural and optical properties of GeO<sub>x</sub> thin films deposited via RF magnetron sputtering under varying oxygen percentage**  
Tuzemen E. S., Hopoglu H., SARITAŞ S., AYDINOĞLU H. S., ERTUĞRUL M., Maslov M. M., KAYA S., UNGAN F., Gur E.  
PHYSICA B-CONDENSED MATTER, vol.650, 2023 (SCI-Expanded)
- XVI. **Ag-doped ZnO hydrogen sensor grown by the USP method**  
Sağlam H. K., Saritaş S., İskenderoğlu D., Güney H., Ertuğrul M.  
OPTICAL MATERIALS, vol.133, 2022 (SCI-Expanded)
- XVII. **Development of Tincal based polypropylene polymeric materials for radiation shielding applications: Experimental, theoretical, and Monte Carlo investigations**  
EKİNCİ N., Mahmoud K. A., SARITAŞ S., Aygun B., Hessien M. M., Bilici I., Rammah Y. S.  
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.146, 2022 (SCI-Expanded)
- XVIII. **Investigation of Optical, Structural and Electrical Properties of Heterostructure Fe<sub>2</sub>O<sub>3</sub> Deposited by RF Magnetron Sputtering on ZnO Layer by Spray Pyrolysis**  
Saritaş S., Çakıcı T., Merhan Muğlu G., Yıldırım M.  
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.1, pp.1200-1215, 2022 (SCI-Expanded)
- XIX. **Gamma-ray shielding capacity of different B<sub>4</sub>C-, Re-, and Ni-based superalloys**  
El-Agawany F., Ekinci N., Mahmoud K., Saritaş S., Aygün B., Ahmed E. M., Rammah Y.  
European Physical Journal Plus, vol.136, no.5, 2021 (SCI-Expanded)
- XX. **Ni: Fe<sub>2</sub>O<sub>3</sub>, Mg: Fe<sub>2</sub>O<sub>3</sub> and Fe<sub>2</sub>O<sub>3</sub> thin films gas sensor application**  
SARITAŞ S., KUNDAKÇI M., Coban O., TÜZEMEN S., YILDIRIM M.  
PHYSICA B-CONDENSED MATTER, vol.541, pp.14-18, 2018 (SCI-Expanded)
- XXI. **The effect of Mg dopants on magnetic and structural properties of iron oxide and zinc ferrite thin films**  
SARITAŞ S., Sakar B., KUNDAKÇI M., YILDIRIM M.  
RESULTS IN PHYSICS, vol.9, pp.416-423, 2018 (SCI-Expanded)
- XXII. **Oxygen partial pressure effects on the RF sputtered p-type NiO hydrogen gas sensors**  
Turgut E., Çoban Ö., Saritaş S., Tüzemen S., Yıldırım M., Gür E.  
Applied Surface Science, vol.435, pp.880-885, 2018 (SCI-Expanded)
- XXIII. **Effect of copper and nickel doping on the optical and structural properties of ZnO**  
GÜNAY M. M., SARITAŞ S., ÇAKICI T., CEVİZ ŞAKAR B., YILDIRIM M.  
FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, vol.1, no.1815, pp.500081-500084, 2017 (SCI-Expanded)
- XXIV. **Exciting transition metal doped dilute magnetic thin films: MgO: Er and ZnO: Er**  
ÇAKICI T., SARITAŞ S., GÜNAY M. M., YILDIRIM M.  
FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, vol.1, no.1815, pp.500021-500024, 2017 (SCI-Expanded)
- XXV. **ALTERATION OF THE ELECTRICAL AND MAGNETIC PROPERTIES OF IRON OXIDE BY Zn, Co AND Zn,**

## **Ni CODOPED**

Sarıtaş S., TURGUT E., GÜRBULAK B., YILDIRIM M.

International Journal of Engineering Technology and Scientific Innovation, vol.2, no.06, pp.725-742, 2017 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Assessment of titanium - tungsten iron oxide and their gas sensor application**  
Turgut E., Şenarslan E., Merhan Muğlu G., Sarıtaş S.  
Physics and Chemistry of Solid State, vol.25, no.3, pp.498-505, 2024 (ESCI)
- II. **Investigation of Copper-Iron Oxide Thin Film Grown by Co-Sputtering**  
sarıtaş s.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.12, no.3, pp.625-633, 2023 (Peer-Reviewed Journal)
- III. **The Effect of Annealing Temperature on Iron-Doped Tungsten Oxide Structure and Photosensitive Gas Sensor Applications**  
Sarıtaş S.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.16, no.2, pp.374-383, 2023 (Peer-Reviewed Journal)
- IV. **Effect of Various Precursors on ZnO Thin Films for by USP Technique**  
Sağlam H. K., Sarıtaş S., Ertuğrul M.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.14, no.3, pp.926-935, 2021 (Peer-Reviewed Journal)
- V. **Comparison of the optical and morphological properties of CdO thin films obtained by different methods**  
Ceviz Şakar B., Sarıtaş S., Kundakçı M.  
Materials Today: Proceedings, vol.46, no.1, pp.6888-6891, 2021 (Peer-Reviewed Journal)
- VI. **Analysis of magnesium ferrite and nickel doped magnesium ferrite thin films grown by Spray Pyrolysis**  
Sarıtaş S., Ceviz Şakar B., Kundakçı M., Gürbulak B.  
MATERIALS TODAY : PROCEEDINGS, vol.46, no.1, pp.6519-6523, 2021 (Peer-Reviewed Journal)
- VII. **Optical and morphological properties of the CdO thin films as a function of film thickness**  
Ceviz Şakar B., Sarıtaş S., Kundakçı M.  
Materials Today: Proceedings, vol.46, no.1, pp.6892-6894, 2021 (Peer-Reviewed Journal)
- VIII. **Cobalt metal doped magnesium ferrite and zinc ferrite thin films grown by Spray Pyrolysis**  
Sarıtaş S., Ceviz Şakar B., Turgut E., Kundakçı M., Yıldırım M.  
MATERIALS TODAY : PROCEEDINGS, vol.2214, no.7853, pp.7025-7029, 2021 (Peer-Reviewed Journal)
- IX. **Copper-substituted spinel zinc ferrite and magnesium ferrite thin films grown by spray pyrolysis**  
SARITAŞ S., TURGUT E., CEVİZ ŞAKAR B., KUNDAKÇI M., YILDIRIM M.  
AMERICAN INSTITUTE OF PHYSICS, vol.2042, 2018 (Peer-Reviewed Journal)
- X. **Studies on the optical, structural and electrical properties of Sn and Sb doped magnesium ferrite (MgxFe<sub>3-x</sub>O<sub>4</sub>)**  
AKÇAY H., SARITAŞ S., KUNDAKÇI M., YILDIRIM M.  
American Institute of Physics, vol.2042, 2018 (Peer-Reviewed Journal)
- XI. **Zinc Ferrite Films Doped with Lanthanides for Gas Sensor Application**  
SARITAŞ S., TURGUT E., GÜRBULAK B., KUNDAKÇI M., YILDIRIM M.  
Journal of Physical Chemistry and Functional Materials, vol.1, pp.1-8, 2018 (Peer-Reviewed Journal)
- XII. **Alteration Of The Electrical And Magnetic Properties of Iron Oxide By Zn, Co and Zn, Ni Codoped**  
ISSN: 2456-1851 Volume:02, Issue:06 2017  
Sarıtaş S., Turgut E., Kundakçı M., Gürbulak B., Yıldırım M.  
International Journal of Engineering Technology and Scientific Innovation, vol.02, no.06, pp.725-742, 2017 (Peer-Reviewed Journal)
- XIII. **Synthesis and Characterization of Transition Metal Co-Doped ZnO AND MgO Diluted Magnetic**

**Semiconductor Films Prepared By Chemical Spray Pyrolysis Method, , Uot 539.2538.9-405548, Pacs: 61.50-F, Volume 1, Number 1 Pages 39-46, 2017**

SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., ALİEVA M., YILDIRIM M.

Journal of Baku Engineering University–Physics, 2017 (Peer-Reviewed Journal)

- XIV. **Synthesis and Characterization of Transition Metal Co-Doped ZnO and MgO Diluted Magnetic Semiconductor Films Prepared Chemical Spray Pyrolysis Method,**

SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., Aliyeva M., YILDIRIM M.

Journal of Baku Engineering University-Physics, 2017 (Peer-Reviewed Journal)

- XV. **Compared with  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> and Zn<sub>x</sub>Fe<sub>3-x</sub>O<sub>4</sub> Thin Films Grown by Chemical Spray Pyrolysis**

Sarıtaş S., Turgut E., Kundakçı M., Gürbulak B., Yıldırım M.

International Journal of Sensor Networks and Data Communications, vol.6, pp.1-7, 2017 (Peer-Reviewed Journal)

- XVI. **Synthesis and Characterization of Transition Metal Co Doped ZnO and MgO Diluted Magnetic Semiconductor Films Prepared by Chemical Spray Pyrolysis Method**

SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., ALİEVA M., YILDIRIM M.

Journal of Baku Engineering, 2017 (Peer-Reviewed Journal)

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

- I. **COMPARISON OF THE AS DEPOSITED NiCr<sub>2</sub>O<sub>4</sub>: Zn AND NiO:Zn THIN FILMS TOGETHER WITH DEVICES GROWN BY RADIOFREQUENCY SPUTTERING TECHNIQUE**  
TURGUT E., SARITAŞ S., YILDIRIM M., GÜR E.  
2. ULUSLARARASI MARDİN ARTUKLU BİLİMSEL ARAŞTIRMALAR KONGRESİ, Mardin, Turkey, 23 - 25 August 2019, pp.230-234
- II. **GaS İKİLİ BİLEŞİĞİNİN MODİFİYE BRIDGMAN/STOCKBARGERTEKNIĞIYLA BÜYÜTÜLMESİ**  
GÜRBULAK B., Yanık Z., SARITAŞ S., Duman s.  
8th. INTERNATIONAL CONFERENCE ON MATHEMATICS,ENGINEERING, NATURAL AND MEDICAL SCIENCES, Erzurum, Turkey, 5 - 08 September 2019, pp.68-80
- III. **GaS İkili Bileşiminin Modifiye Bridgman/Stockbarger Tekniğiyle Büyütülmesi**  
GÜRBULAK B., Yanık Z., Saritas S., DUMAN S.  
VIII-International Conference On Mathematics – Engineering – Natural Medical Sciences., 5 - 08 September 2019
- IV. **INVESTIGATION OF GAS SENSOR PROPERTIES OF AS-DEPOSITED AND Al, Zn DOPED NiCr<sub>2</sub>O<sub>4</sub>**  
TURGUT E., GÜR E., YILDIRIM M., SARITAŞ S.  
MARDİN ARTUKLU INTERNATIONAL SCIENTIFIC RESEARCH CONGRESS, Mardin, Turkey, 23 - 25 August 2019, pp.331-338
- V. **Determination of The Structural Properties of NiO and Al and Zn Doped NiO Thin Films Grown by Radio Frequency Sputtering Technique (Rf) and Application of Gas Sensor**  
TURGUT E., SARITAŞ S., HABASHYANI s., GÜR E., YILDIRIM M.  
2nd International Conference on Physical Chemistry and Functional Materials (PCFM'19), Nevşehir, Turkey, 25 - 27 July 2019, pp.45-51
- VI. **DETERMINATION OF THE STRUCTURAL PROPERTIES OF NiO AND Al AND Zn DOPED NiO THIN FILMS GROWN BY RADIO FREQUENCY SPUTTERING TECHNIQUE (RF) AND APPLICATION OF GAS SENSOR**  
TURGUT E., GÜR E., YILDIRIM M., SARITAŞ S., yeşilyaprak c.  
PCFM'19 INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY AND FUNCTIONAL MATERIALS, Nevşehir, Turkey, 25 - 27 July 2019, pp.226-231
- VII. **CHARACTERIZATION OF TRANSITION METAL Co, Ni, Fe-DOPED ZnO DILUTED MAGNETIC SEMICONDUCTOR FILMS GROWN BY CHEMICAL SPRAY PYROLYSIS METHOD.**  
SARITAŞ S., TURGUT E., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.  
MAS EUROPEAN INTERNATIONAL CONGRESS ON MATHEMATICS ENGINEERING-NATURAL MEDICAL SCIENCES-V, Erzurum, Turkey, 2 - 05 April 2019, pp.165-172

- VIII. **Katkısız TlGaS<sub>2</sub> ve Fe KatkılıTlGaS<sub>2</sub> YarıiletkenlerinBüyütülmesi ve YapısalÖzelliklerinin İncelenmesi**  
GÜRBULAK B., Özbey K. Y., SARITAŞ S., Duman s.  
KARADENİZ1. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALARKONGRESİ, Erzurum, Turkey, 15 - 17 March 2019,  
pp.287-302
- IX. **STUDIES ON THE OPTICAL, STRUCTURAL AND ELECTRICAL PROPERTIES OF CADMIUM DOPED ZINC FERRITE AND MAGNESIUM FERRITE**  
SARITAŞ S., KUNDAKÇI M., YILDIRIM M.  
3rd International Conference on Organic Electronic Material Technologies (OEMT2018), 20 - 22 September 2018,  
pp.19-27
- X. **GALLIUM DOPED SPINEL ZINC FERRITE AND MAGNESIUM FERRITE THIN FILMS GROWN BY SPRAY PYROLYSIS**  
SARITAŞ S., KUNDAKÇI M., YILDIRIM M.  
3rd International Conference on Organic Electronic Material Technologies (OEMT2018), 20 - 22 September 2018
- XI. **Investigation of Electrical Properties of Gase Single Crystal Depending on Temperature**  
GÜRBULAK B., DUMAN S., SARITAŞ S., Ashkhasi A.  
International Congress On Engineering and Life Science (ICELIS) Proceeding Book, 26 - 29 April 2018
- XII. **Zn: Fe<sub>2</sub>O<sub>3</sub>, Mg: Fe<sub>2</sub>O<sub>3</sub> and Fe<sub>2</sub>O<sub>3</sub> Thin Films Grown by Spray Pyrolysis and Gas SensorApplication**  
SARITAŞ S., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE26-29 APRIL 2018 KASTAMONU, 26 - 29 April  
2018, pp.61-65
- XIII. **Investigation of Electrical Properties of Gase Single Crystal Depending on Temperature**  
Ashkhasi A., Saritaş S., DUMAN S., GÜRBULAK B.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, 26 - 29 April 2018
- XIV. **Comparative Analysis Magnesium Ferrite And Nickel Doped Magnesium Ferrite Thin Films, 2nd International Congress On Semiconductor Materials And Devices**  
GÜRBULAK B., YILDIRIM M., SARITAŞ S., KUNDAKÇI M., ŞAKAR B. C.  
ICSMD 2018 Ardahan, 225-230, 28 - 30 August 2018
- XV. **COMPARATIVE ANALYSISMAGNESIUM FERRITE AND NICKELDOPED MAGNESIUM FERRITE THINFILMS**  
Saritaş S., Ceviz Şakar B., Kundakçı M., Gürbulak B., Yıldırım M.  
2nd International Congress on Semiconductor materials and Devices, Ardahan, Turkey, 28 - 30 August 2018,  
pp.197-201
- XVI. **EFFECT OF FILM THICKNESS ON THEOPTICAL AND MORPHOLOGICALPROPERTIES OF THE CdO THIN**  
CEVİZ ŞAKAR B., SARITAŞ S., KUNDAKÇI M.  
2nd International Congress on Semiconductor materials and Devices, 28 - 30 August 2018, pp.52-55
- XVII. **THE EFFECTS OF DOPED COBALTMETAL ON THE MAGNESIUMFERRITE AND ZINC FERRITE THINFILMS**  
SARITAŞ S., CEVİZ ŞAKAR B., TURGUT E., KUNDAKÇI M., YILDIRIM M.  
2nd International Congress on Semiconductor materials and Devices, 28 - 30 August 2018, pp.192-196
- XVIII. **GREEN METHODS IN SYNTHESIS OF SEMICONDUCTOR NANOMATERIALS**  
Çiçek S., Saritaş S.  
2nd International Congress on Semiconductor materials and Devices, Ardahan, Turkey, 28 - 30 August 2018,  
pp.185-191
- XIX. **SYNTHESIS OF CdO THIN FILMS BYDIFFERENT METHODS**  
CEVİZ ŞAKAR B., SARITAŞ S., KUNDAKÇI M.  
2nd International Congress on Semiconductor materials and Devices, 28 - 30 August 2018, pp.56-59
- XX. **Investigation of Bacterial Synthesized CuSe-NPs as thin Film and CuSe/P-Si Devive Application**  
ÇAKICI T., ÖZDAL M., SARITAŞ S., Kundakçı M.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.171
- XXI. **INVESTIGATION OF SPUTTERING POWER ONPHYSICAL PROPERTIES OF CADMIUM OXIDEFILMS FORMED BY DC MAGNETRON SPUTTERING**

- CEVİZ ŞAKAR B., SARITAŞ S., KUNDAKÇI M.  
TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS, 5 - 09 September 2018, pp.283
- XXII. **EFFECT OF SPUTTERING POWER OF RFMAGNETRON ON THE NANOSTRUCTURED CADMIUM OXIDE THIN FILMS**  
CEVİZ ŞAKAR B., SARITAŞ S., KUNDAKÇI M.  
TURKISH PHYSICAL SOCIETY 34, 5 - 09 September 2018, pp.274
- XXIII. **Determination of Structural Properties of NiO and NiCr<sub>2</sub>O<sub>4</sub> Thin Films and Application of Gas Sensor**  
Turgut E., Saritaş S., Çoban Ö., Gür E., Tüzemen S., Yıldırım M.  
International Conference on Physical Chemistry and Functional Materials, Elazığ, Turkey, 19 - 21 June 2018
- XXIV. **Investigated Optical and Structural Characterization of Al:Fe<sub>2</sub>O<sub>3</sub> and Ga:Fe<sub>2</sub>O<sub>3</sub> Thin Films Grown by Chemical Spray Pyrolysis”**  
MERHAN MUĞLU G., SARITAŞ S., ÇAKICI T., TURGUT E., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.  
International Conference on Advanced Engineering Technologies 21-23 September 2017 Bayburt-TURKEY, 21 - 23 September 2017
- XXV. **Investigated Optical and Structural Characterization of Er:Fe<sub>2</sub>O<sub>3</sub> and Er: Zn<sub>x</sub>Fe<sub>3-x</sub>O<sub>4</sub> Thin Films Grown by Chemical Spray Pyrolysis**  
GÜNAY M. M., SARITAŞ S., ÇAKICI T., TURGUT E., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.  
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 September 2017 - 23 September 2013, pp.1417
- XXVI. **Investigated Optical and Structural Characterization of Al:Fe<sub>2</sub>O<sub>3</sub> and Ga:Fe<sub>2</sub>O<sub>3</sub> Thin Films Grown By Chemical Spray Pyrolysis**  
SARITAŞ S., ÇAKICI T., GÜNAY M. M., TURGUT E., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.  
International Conference on Advanced Engineering Technologies, 21 - 23 September 2017, pp.1249
- XXVII. **Investigated Optical and Structural Characterization of Al:Fe<sub>2</sub>O<sub>3</sub> and Ga:Fe<sub>2</sub>O<sub>3</sub> Thin Films Grown By Chemical Spray Pyrolysis**  
SARITAŞ S., ÇAKICI T., GÜNAY M. M., TURGUT E., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.  
International Conference on Advanced Engineering Technologies, 21 - 23 September 2017, pp.1418
- XXVIII. **Tin Doped Indium Oxide (ITO) on Different Substrate by RF Magnetron Sputtering**  
MOBTAKERİ S., Saritaş S., GÜR E., YILDIRIM M.  
türk fizik derneği 33. uluslararası fizik kongresi, Muğla, Turkey, 6 - 10 September 2017
- XXIX. **Ni and Mg-doped  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> by chemical spray pyrolysis (CSP) method**  
SARITAŞ S., ÇAKICI T., MERHAN MUĞLU G., KUNDAKÇI M., YILDIRIM M.  
" Turkish Physical Society 33rd International Physics Congress, Bodrum /Turkey, 6 - 10 September 2017
- XXX. **INFLUENCE OF TRANSPARENT CONDUCTING THIN FILM ON ELECTRICAL PROPERTIES OF AZO/P-SI JUNCTION**  
Çakıcı T., Saritaş S., Günay M. M.  
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, İzmir, Turkey, 6 - 10 September 2017, pp.314
- XXXI. **OPTICAL, STRUCTURAL AND ELECTRICAL PROPERTIES OF ZNO/P-SI JUCTION**  
Çakıcı T., Saritaş S., Merhan Muğlu G.  
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, İzmir, Turkey, 6 - 10 September 2017, pp.330
- XXXII. **NI AND MG-DOPED A-FE<sub>2</sub>O<sub>3</sub> BY CHEMICAL SPRAY PYROLYSIS (CSP) METHOD**  
Saritaş S., Çakıcı T., Günay M. M., Kundakçı M., Yıldırım M.  
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, İzmir, Turkey, 6 - 10 September 2017, pp.327
- XXXIII. **NI AND MG DOPED A-FE<sub>2</sub>O<sub>3</sub> BY CHEMICAL SPRAY PYROLYSIS (CSP) METHOD**  
SARITAŞ S., ÇAKICI T., GÜNAY M. M., KUNDAKÇI M., YILDIRIM M.  
TÜRK FİZİK DERNEĞİ 33. ULUSLARARASI FİZİK KONGRESİ, İzmir, Turkey, 6 - 10 September 2017, pp.327
- XXXIV. **Growth and Characterizations of GaSe and GaSe:Cd Single Crystals by Bridgman/Stockbarger Technique**  
GÜRBULAK B., ÖZBEY y. k., EKİNCİ N., ASHKHASI A., Saritaş s., DUMAN S.  
İnternational Congress on Semiconductor Materials and Devices, 17 - 19 August 2017
- XXXV. **Growth and Characterizations of GaSe and GaSe:Cd Single Crystals by Bridgman/Stockbarger**



## Technique

GÜRBULAK B., özbey K. Y., EKİNCİ N., ashkhasi a., saritaş S., DUMAN S.

International Congress on Semiconductors Materials and Devices ICSMD-2017, 17 - 19 August 2017

- XXXVI. **Synthesis and Characterization of Transition Metal Co-Doped ZnO and MgO Diluted Magnetic Semiconductor Films Prepared by Chemical Spray Pyrolysis Method,**  
SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., Aliyeva M., YILDIRIM M.  
I INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG RESEARCHERS 05-06 May 2017, Baku Azerbaijan, 5 - 06 May 2017
- XXXVII. **Synthesis and Characterization of Transition Metal Co Doped ZnO and MgO Diluted Magnetic Semiconductor Films Prepared by Chemical Spray Pyrolysis Method**  
SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., Alieva M., YILDIRIM M.  
International Scientific Conference of Young Resaerches, 4 - 05 May 2017
- XXXVIII. **Magnetic, optical and structural characterization of ZnO:Co; ZnO:Fe thin films**  
ÇAKICI T., SARITAŞ S., Muglu G., KUNDAKÇI M., YILDIRIM M.  
2nd International Conference on Advances in Natural and Applied Sciences, ICANAS 2017, Antalya, Turkey, 18 - 21 April 2017, vol.1833
- XXXIX. **Electrical and structural characteristics of In<sub>2</sub>S<sub>3</sub>/n-InP and In<sub>2</sub>S<sub>3</sub>/n-GaAs junctions**  
ÇAKICI T., Saritaş S., MERHAN MUĞLU G., SAĞLAM M.  
II. International Conference on Advances in Natural and Applied Sciences (ICANAS-2017), 18 - 21 April 2017
- XL. **A comparison study of Co and Cu doped MgO diluted magnetic thin films**  
Saritaş S., Çakıcı T., Merhan Muğlu G., Kundakçi M., Yıldırım M.  
Turkish Physical Society 32nd International Physics Congress, TPS 2016, Konacik-Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XLI. **Transparan İletken AZO ve GZO Oksit İnce Film Özelliklerinin Karşılaştırmalı Çalışması**  
Saritaş S., Merhan Muğlu G., Ceviz Şakar B., Yıldırım M., Çakıcı T.  
22. Yoğun Madde Fiziği Ankara Toplantısı (YMF22), Ankara, Turkey, 16 December 2016
- XLII. **SILAR ve SOL GEL yöntemleriyle büyütülmüş CdO ince filmlerinin yapısal özelliklerinin karşılaştırılması**  
Şakar B., Saritaş S., Kundakçi M., Yıldırım M.  
22. Yoğun Madde Fiziği Ankara Toplantısı (YMF22), Ankara, Turkey, 16 December 2016
- XLIII. **Produced to transition metal doped Dy ZnO and Dy MgO thin films by Chemical Spray Pyrolysis method and investigation to the thin films structures Science and Applications of Thin Films**  
SARITAŞ S., ÇAKICI T., MERHAN MUĞLU S.  
Science and Applications of Thin Films, Conference & Exhibition (SATF 2016), 19 - 23 September 2016
- XLIV. **Comparison Study of Co and Cu Doped MgO Diluted Magnetic Thin Films**  
SARITAŞ S., ÇAKICI T., MUĞLU G., KUNDAKÇI M., YILDIRIM M.  
TÜRK FİZİK DERNEĞİ ULUSLARARASI FİZİK KONGRESİ, 6 - 09 September 2016
- XLV. **Effect of Copper and Nickel Doping on the Optical and Structural Properties of ZnO**  
MERHAN MUĞLU G., ÇAKICI T., SARITAŞ S.  
32. Uluslararası Fizik Kongresi, 6 - 09 September 2016
- XLVI. **Exciting Transition Metal Doped Dilute Magnetic Thin Films MgO Er and ZnO Er**  
ÇAKICI T., SARITAS S., MERHAN MUĞLU G., YILDIRIM M.  
Uluslararası Fizik Kongresi TFD-32, 6 - 09 September 2016
- XLVII. **GaSe ve GaSe: Cd İkilili Yarıiletken Kristallerinin Bridgman/Stockbarger Tekniğiyle Büyütülmesi ve Yapısal Özellikleri**  
GÜRBULAK B., DUMAN S., ŞATA M., KUNDAKÇI M., YILDIRIM M., SARITAŞ S., Ashkhasi A.  
21. Yoğun Madde Fiziği Ankara Toplantısı, Gazi Üniversitesi, 25 Aralık 2015., Turkey, 25 December 2015
- XLVIII. **Maghemite produced by Chemical Spray Pyrolysis method on different substrates**  
SARITAŞ S., KUNDAKÇI M., YILDIRIM M.  
International Semiconductor Science and Technology Conferences, 11 - 13 May 2015
- XLIX. **Transformation from Hematite Fe<sub>2</sub>O<sub>3</sub> to Magnetite Fe<sub>3</sub>O<sub>4</sub> by H<sub>2</sub> Reduction**

Sarıtaş S., KUNDAKÇI M., YILDIRIM M.

International Semiconductor Science and Technology Conference 2015 (ISSTC 2015), 11 - 13 May 2015

## Supported Projects

GÜRBULAK B., POLATOĞLU A., SARITAŞ S., KAVAZ E., GÜRBULAK B. B., Project Supported by Higher Education Institutions, AR-GE LABORATUVARLARINDA VE YÜKSEK ZİRVELERDE KOZMİK IŞINLARIN TESPİTİ, 2021 - 2022

SARITAŞ S., GÜRBULAK B., TURGUT E., GÜR E., KUNDAKÇI M., YILDIRIM M., Project Supported by Higher Education Institutions, RF Cosputter Radyo Frekans Tekniği kullanılarak Sn kalay Mo molibden ve Cu bakır katkılı Nikel Oksit NikelKrom Oksit Yarıiletken İnce Filmlerinin Büyütülmesi Elde Edilen Filmlerin Sıcaklığa Bağlı Elektriksel ve Manyetik Özelliklerinin İncelenmesi, 2020 - 2022

SARITAŞ S., HARORLI E., ÖZKALAY Y., YEŞİLYAPRAK M. B., DEMİRCAN A., KARAKUŞ Ü., KIRMIZIASLAN M., Project Supported by Higher Education Institutions, Artık öğrenci ne istediğini ve ne isteyeceğini iyi biliyor, 2019 - 2020

SARITAŞ S., HARORLI E., KARAKUŞ Ü., KAYA S., USANMAZ A., SALIK A., ADSAY G., Project Supported by Higher Education Institutions, Tüketim Bilincimiz Yerde Mi, 2019 - 2020

SARITAŞ S., TEMELKURAN Ş., TOZAN M., ÇAKMAK E. B., YASAKÇI S., HARORLI E., KARAKUŞ Ü., Project Supported by Higher Education Institutions, Türkiye nin Yenilenebilir Enerji Potansiyeli Kavrayalım, 2019 - 2020

SARITAŞ S., HARORLI E., KARAKUŞ Ü., ERKMEN F., GEZER B., KALAYCI G., TURNA G., ABBASI HESAR S., Project Supported by Higher Education Institutions, İlköğretim ve ortaöğretimde öğrenciler eğitim sisteminden ne ister, 2019 - 2020

SARITAŞ S., HARORLI E., ATASEVER A., KARAKUŞ Ü., AKBABA E., GÖKÇE B., KARAKAYA K., SERİN E., NARMANLIOĞLU H. K., AYYILDIZ F., Project Supported by Higher Education Institutions, Doğru Planlama Doğru Kariyer, 2019 - 2020

## Activities in Scientific Journals

The World of Biomedical Technology, First Editor, 2020 - Continues

## Scientific Refereeing

Turkish Journal of Physics, Other Indexed Journal, June 2020

## Metrics

Publication: 113

Citation (WoS): 169

Citation (Scopus): 201

H-Index (WoS): 5

H-Index (Scopus): 6

## Congress and Symposium Activities

Turkish Physical Society 33rd International Physics Congress, Attendee, Muğla, Turkey, 2017

The International Conference on Advances in Natural and Applied Sciences (ICANAS 2017), Attendee, Antalya, Turkey, 2017

International Conference on Advanced Engineering Technologies (ICADET), Attendee, Bayburt, Turkey, 2017

International Congress On Semiconductor Materials And Devices (Icsmd-2017), Attendee, Konya, Turkey, 2017

ADIM FİZİK GÜNLERİ VI, Attendee, Balıkesir, Turkey, 2017

22. Yoğun Madde Fiziği Ankara Toplantısı (YMF22), Attendee, Ankara, Turkey, 2016

Turkish Physical Society 32rd International Physics Congress, Attendee, Muğla, Turkey, 2016

Science and Applications of Thin Films, Conference & Exhibition (2016), Attendee, İzmir, Turkey, 2016

21. Yoğun Madde Fiziği Ankara Toplantısı, Attendee, Ankara, Turkey, 2015

International Semiconductor Science and Technology Conference 2015 (ISSTC 2015), Attendee, İzmir, Turkey, 2015

Yoğun Madde Fiziği – İzmir Toplantısı, İzmir Yüksek Teknoloji Enstitüsü, Attendee, İzmir, Turkey, 2015

## **Representation and Promotion Activities**

Institutional Representation, Atatürk Üniversitesi, Turkey, Erzurum, 2022 - 2024

Institutional Promotion, Atatürk Üniversitesi, İspir Hamza Polat Meslek Yüksekokulu, Turkey, Erzurum, 2021 - 2021