

# Prof. Önder YARGI

## Personal Information

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## International Researcher IDs

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## Education Information

Post Doctorate, University of Leeds, FACULTY OF ENGINEERING AND PHYSICAL SCIENCES, School of Chemical and Process Engineering, England 2014 - 2014

Doctorate, Istanbul Technical University, Fen Edebiyat, Fizik Mühendisliği, Turkey 2004 - 2010

Postgraduate, Istanbul Technical University, Fen Edebiyat, Fizik Mühendisliği, Turkey 2000 - 2004

Undergraduate, Yildiz Technical University, Fen Edebiyat, Fizik, Turkey 1996 - 2000

## Certificates, Courses and Trainings

Commercialization, Leaders innovation in Fellows, Royal Academy of Engineering, Londra, İngiltere, 2019

## Dissertations

Doctorate, Polimer kompozitlerden film oluşumu ve oksijen geçirgenliği, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, 2010

Postgraduate, Metal Basamaklı Yüzeylerin Titreşimsel Özellikleri, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2004

## Research Areas

Surfaces, Interfaces, Thin Films and Nanosystems, Optical Properties, Spectroscopy of Matter, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2015 - Continues

## Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty Of Arts & Science, Department

## Courses

KUANTUM FİZİĞİ-1, Undergraduate, 2021 - 2022  
KATIHAL FİZİĞİ-1, Undergraduate, 2017 - 2018  
FİZİK-2, Undergraduate, 2016 - 2017  
FİZİK-1, Undergraduate, 2016 - 2017  
SPEKTROSKOPİ, Undergraduate, 2016 - 2017

## Advising Theses

Kantürk Figen A., Yargı Ö., Süper Kapasitörlerde Hidrojen Depolama Malzemelerinin Kullanılabilirliğinin İncelenmesi, Postgraduate, D.Kutluer(Student), Continues  
Yargı Ö., KARBON BAZLI SÜPERKAPASİTÖR ELEKTROTLARIN ELEKTROKİMYASAL ÖZELLİKLERİNİN BELİRLENMESİ, Postgraduate, İ.İŞGÖR(Student), Continues  
Yargı Ö., FARKLI KRİSTAL YAPIDA VE MOLEKÜLAĞIRLIĞINDAKİ BİLEŞİKLERDEN ÜRETİLMİŞ SÜPERKAPASİTÖRLER, Postgraduate, E.BOSTANCI(Student), Continues  
Yargı Ö., Farklı Türden Grafen Bazlı Süperkapasitör Elektrotlarının Üretilmesi, Karakterizasyonu ve Elektrokimyasal Performanslarının Belirlenmesi, Postgraduate, C.SARDOĞAN(Student), 2022  
İnanır F., Yargı Ö., Süperiletken Rüzgar Türbini Jeneratörlerinin Elektromanyetik Termal ve Mekanik Özelliklerinin İncelenmesi, Doctorate, A.ERCİYAS(Student), 2022  
İnanır F., Yargı Ö., Manyetik Rezonans Görüntüleme Magnetlerinin Yüksek Sıcaklık Süperiletken Şeritlerden Kavramsal Tasarımı ve Çoklu Fizik, Doctorate, H.KARA(Student), 2022  
Yargı Ö., Gözenekli Elektrotlardan Süperkapasitör Üretilmesi ve Elektrokimyasal Performanslarının Araştırılması, Postgraduate, K.BEGÜM(Student), 2021  
Özdemir O. K., Yargı Ö., Süperkapasitör Uygulamalarında Kullanılan Modifiye Edilmiş Elektrotların Elektrokimyasal Özellikleri, Postgraduate, İ.Yılmaz(Student), 2021  
Salt Y., Yargı Ö., Karbondioksit Ayrılmasına Yönelik Karışık Matris Membran Geliştirilmesi, Postgraduate, E.Keskin(Student), 2021  
Yargı Ö., Polimer Latekslerden Görünür Bölgede Işık Geçirgenliği İzlenerek Film Oluşumu Aşamalarının İncelenmesi, Postgraduate, T.Ekinci(Student), 2021  
Yargı Ö., Metal Oksit Elektrotlarının Süperkapasitör Performansları Üzerindeki Etkisinin Araştırılması, Postgraduate, B.AKSOY(Student), 2021

## Jury Memberships

Doctoral Examination, Doctoral Examination, İstanbul Teknik Üniversitesi, May, 2019  
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, April, 2019  
Doctorate, Doctorate, İstanbul Teknik Üniversitesi, April, 2019  
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, February, 2018  
Post Graduate, Yüksek Lisans Tez Savunması, İTÜ, 2016, İSTANBUL TEKNİK ÜNİVERSİTESİ, April, 2016

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

1. **The electrochemical performance of electrodeposited nickel foam electrodes coated by nano-confined lithium borohydride-metal oxides composites**  
Kutluer D., Coşkuner Filiz B., Yargı Ö., Gelir A., Kantürk Figen A.

SOLID STATE IONICS, vol.415, no.116657, pp.1-9, 2024 (SCI-Expanded)

- II. **Influence of ion mobility and electrode structure effects on supercapacitors with CaO, MgO, and SiO<sub>2</sub>**  
Yargı Ö., Bostancı E., Coşkuner Filiz B., Kantürk Figen A.  
IONICS, vol.0, no.0, pp.1-15, 2024 (SCI-Expanded)
- III. **Effect of conductive layer on the performance of gel electrolyte-based supercapacitors**  
Öztürk T., Özdemir O., Gelir A., Keshtiban N. A., YARGI Ö., Mucur S. P., Seçgin A.  
Journal of Applied Polymer Science, vol.141, no.4, 2024 (SCI-Expanded)
- IV. **Upcycling of waste printed circuit boards into metallic pyrolytic carbon for supercapacitor electrode**  
Cebeci H. H., Yılmaz İ., YARGI Ö., Açıklan K., Gelir A., KANTÜRK FİGEN A.  
Journal of Materials Science: Materials in Electronics, vol.34, no.4, 2023 (SCI-Expanded)
- V. **Synthesis and characterization of PVA-based binary-gel electrolytes including massive ions**  
Gelir A., Öztürk T. P., Keshtiban N. A., Yargı Ö., Özdemir O. B., Piravadlı Mucur S., Seçgin A.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, pp.0-11111, 2023 (SCI-Expanded)
- VI. **Effect of dealloying the redox-active zinc-based electrodes on the performance of asymmetric supercapacitors**  
YARGI Ö., Korkut S. E., Gelir A., Yılmaz İ.  
International Journal of Energy Research, vol.46, no.14, pp.20747-20754, 2022 (SCI-Expanded)
- VII. **Excellent cyclic stability of symmetric and asymmetric supercapacitors constructed by graphene deposited Cu and Ni electrodes**  
YARGI Ö., ÖZMEN M. M., Büyükpehlivan S., Gelir A.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.14, pp.20801-20810, 2022 (SCI-Expanded)
- VIII. **Structural and tensile characteristics of reduced graphene oxide/poly (vinyl alcohol) composite films: Influence of ultraviolet irradiation**  
Bozdoğan A., Aksakal B., Yargı Ö., Sahinturk U.  
POLYMER COMPOSITES, vol.41, pp.3087-3100, 2020 (SCI-Expanded)
- IX. **Electrodeposition of zinc and reduced graphene oxide on porous nickel electrodes for high performance supercapacitors**  
Yılmaz İ., Gelir A., Yargı Ö., Sahinturk U., Özdemir O. K.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.138, 2020 (SCI-Expanded)
- X. **Film formation and mechanical properties of an opaque titanium dioxide and transparent polyvinyl alcohol composite films**  
Bozdogan A., Aksakal B., Yargı Ö.  
POLYMER COMPOSITES, vol.41, no.3, pp.939-950, 2020 (SCI-Expanded)
- XI. **How the Reduced Graphene Oxide Prepared at Different pH Values Affect the Optical Transmittance and the Electrical Properties of Polystyrene Latex Films?**  
Yargı Ö., Gelir A., Sahinturk U., Ozer T., Çalışkan M., Aksakal B.  
Polymer Composites, vol.40, 2019 (SCI-Expanded)
- XII. **How the Reduced Graphene Oxide prepared at different pH values affect the optical transmittance and the electrical properties of Polystyrene latex films?**  
Yargı Ö., Gelir A., Şahintürk U., Özer T., Çalışkan M., Aksakal B.  
Polymer Composites, vol.52, no.40, pp.1444-1450, 2019 (SCI-Expanded)
- XIII. **Influence of heating on spectroscopic, mechanical, and thermal properties of reduced graphene oxide-poly(vinyl alcohol) composite films**  
Bozdoğan A., Aksakal B., Sahinturk U., Yargı Ö.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1174, pp.133-141, 2018 (SCI-Expanded)
- XIV. **Effect of IR heating and the annealing time on the optical transmittance of polystyrene/Na-Alginate polymer composite films**  
Yargı Ö., Gelir A., Şarlı B., Sahinturk U., Aksakal B., Denктаş C.  
PROGRESS IN ORGANIC COATINGS, vol.117, pp.146-153, 2018 (SCI-Expanded)
- XV. **Monitoring the film formation process of polystyrene/poly acrylamide (PS/PAAm) composite films annealed by IR heating**

- Gelir A., Yargı Ö., Şarlı B., Sahinturk U., Aksakal B.  
POLYMER ENGINEERING AND SCIENCE, vol.58, pp.353-360, 2018 (SCI-Expanded)
- XVI. **Elucidation of the pore size and temperature dependence of the oxygen diffusion into porous silicon**  
Gelir A., Yargı Ö., Yuksel S.  
THIN SOLID FILMS, vol.636, pp.602-607, 2017 (SCI-Expanded)
- XVII. **Uniaxial tensile and structural properties of poly(vinyl alcohol) films: The influence of heating and film thickness**  
Aksakal B., Yargı Ö., Sahinturk U.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, 2017 (SCI-Expanded)
- XVIII. **How the infrared radiation affects the film formation process from latexes?**  
Onder Y., Gelir A., Ozdogan M., Nuhoğlu Ç., Elaissari A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, 2016 (SCI-Expanded)
- XIX. **Effect of UV-light on the uniaxial tensile properties and structure of uncoated and TiO<sub>2</sub> coated Bombyx mori silk fibers**  
Aksakal B., Koç K., Yargı Ö., Tsobkallo K.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.152, pp.658-665, 2016 (SCI-Expanded)
- XX. **Measurement of oxygen diffusion in PS/PNIPAM films using fluorescence quenching**  
Yargı Ö., Pekcan M. Ö., Uğur Ş.  
PLASTICS RUBBER AND COMPOSITES, vol.44, pp.189-196, 2015 (SCI-Expanded)
- XXI. **Polymer/carbon nanotube composite film formation: A fluorescence study**  
Yargı Ö., Uğur Ş., Pekcan O.  
POLYMER COMPOSITES, vol.35, pp.817-826, 2014 (SCI-Expanded)
- XXII. **Fluorescence quenching method for monitoring oxygen diffusion into PS/CNT composite films**  
Yargı Ö., Uğur Ş., Pekcan O.  
PROGRESS IN ORGANIC COATINGS, vol.76, pp.1805-1809, 2013 (SCI-Expanded)
- XXIII. **Oxygen Diffusion into Multiwalled Carbon Nanotube Doped Polystyrene Latex Films Using Fluorescence Technique**  
Yargı Ö., Uğur Ş., Pekcan M. Ö.  
JOURNAL OF FLUORESCENCE, vol.23, pp.357-366, 2013 (SCI-Expanded)
- XXIV. **Optical percolation and oxygen diffusion in poly(divinylbenzene) doped poly(methyl methacrylate) latex films**  
Yargı O.  
POLYMER COMPOSITES, vol.34, pp.58-66, 2013 (SCI-Expanded)
- XXV. **Diffusion energies of oxygen diffusing into polystyrene (PS)/poly (N-isopropylacrylamide) composites**  
Yargı Ö., Uğur Ş., Pekcan M. Ö.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.23, pp.776-782, 2012 (SCI-Expanded)
- XXVI. **Temperature dependence of oxygen diffusion into polymer/carbon nanotube composite films**  
Yargı Ö., Uğur Ş., Pekcan M. Ö.  
POLYMER ENGINEERING AND SCIENCE, vol.52, pp.172-179, 2012 (SCI-Expanded)
- XXVII. **Film Formation of Poly (methyl methacrylate) Latex With Pyrene Functional Poly (divinylbenzene) Microspheres Prepared by Click Chemistry**  
Uğur Ş., Yargı O., Durmaz Y. Y., Karagöz B., Bıcak N., Yağcı Y., Pekcan O.  
POLYMER COMPOSITES, vol.32, pp.869-881, 2011 (SCI-Expanded)
- XXVIII. **Conductivity percolation of carbon nanotubes (CNT) in polystyrene (PS) latex film**  
Uğur Ş., Yargı Ö., Pekcan Ö.  
Canadian Journal of Chemistry, vol.88, pp.267-276, 2010 (SCI-Expanded)
- XXIX. **Temperature Dependence of Oxygen Diffusion into Clay-Doped PS Films**  
Uğur Ş., Yargı O., Pekcan O.  
POLYMER COMPOSITES, vol.31, pp.77-82, 2010 (SCI-Expanded)

- XXX. **Oxygen diffusion into polystyrene-bentonite films**  
Uğur Ş., Yargı Ö., Pekcan M. Ö.  
APPLIED CLAY SCIENCE, vol.43, pp.447-452, 2009 (SCI-Expanded)
- XXXI. **Poly (styrene) latex/modified Na-activated bentonite nanocomposite films: A fluorescence study**  
Uğur Ş., Yargı O., Gunister E., Pekcan O.  
APPLIED CLAY SCIENCE, vol.42, pp.39-49, 2008 (SCI-Expanded)
- XXXII. **Film formation from PS latex doped PNIPAM hydrogels at various heating and cooling rates**  
Uğur Ş., Yargı Ö., Pekcan Ö.  
Composite Interfaces, vol.15, pp.411-424, 2008 (SCI-Expanded)
- XXXIII. **Reversible film formation from PS doped PNIPAM particles in various compositions**  
Uğur Ş., Yargı Ö., Pekcan O.  
POLYMER COMPOSITES, vol.29, pp.179-186, 2008 (SCI-Expanded)
- XXXIV. **Reversible film formation from nano-sized PNIPAM particles below glass transition**  
Uğur Ş., Elaissari A., Yargı Ö., Pekcan M. Ö.  
COLLOID AND POLYMER SCIENCE, vol.285, pp.423-430, 2007 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Biphasic (Janus), Core-Shell and Functionalized Magnetic Polymer Particles: A Route of Synthesis to Application**  
Yargı Ö., Gelir A., Özdoğan M. A., Nuhoğlu Ç., Muhammad I., Gisele U., Kafya Q., Fairouz A., Tahar B., Nadia Z., et al.  
Journal of Colloid Science and Biotechnology, vol.5, no.1, pp.81-89, 2021 (ESCI)
- II. **Kızılötesi Isıtma ile Polistiren Latekslerin Polimer Kompozit Filmlerindeki Film Oluşumuna Etkisi**  
Yargı Ö.  
Avrupa Bilim ve Teknoloji Dergisi, no.22, pp.13-18, 2021 (Peer-Reviewed Journal)
- III. **Thermal Effect On The Uniaxial Tensile Properties And Structure Of Poly Vinyl Alcohol Films**  
Aksakal B., Yargı Ö.  
Materials, Methods & Technologies, vol.10, pp.273-282, 2016 (Peer-Reviewed Journal)
- IV. **Determination Of Activation Energies And Tensile Characteristics Of Polymer Latexes Depending On Different Heating Methods And Thicknesses**  
Yargı Ö., Aksakal B., Gelir A., Elaissari A.  
Materials, Methods & Technologies, vol.10, pp.263-272, 2016 (Peer-Reviewed Journal)
- V. **PS/MWNT kompozit filmlerinin kritik nokta civarında optiksel ve elektriksel iletkenlik davranışları**  
Yargı Ö., Pekcan Ö., Uğur Ş.  
İTÜ Dergisi Seri C: Fen Bilimleri, vol.8, no.1, pp.1-6, 2010 (Peer-Reviewed Journal)
- VI. **Women Physicists in Turkey 2002 to the Present**  
Yargı Ö., Uğur Ş.  
American Institute of Physics, vol.1, no.1119, pp.183-184, 2009 (Conference Book)

### Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF THE EFFECT OF IONIC ELECTROLYTE ON SUPER CAPACITOR PERFORMANCES BY ELECTROCHEMICAL METHOD**  
Yılmaz İ., Yargı Ö., Sardoğan C.  
HAGIA SOPHIA 4. INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, İstanbul, Turkey, 12 - 13 February 2022, pp.111-112
- II. **Synthesis and characterization of doped solid gel electrolytes for supercapacitors**  
Öztürk Çengel T. P., Yargı Ö., Gelir A., Aghabalapoor Keshtiban N., Yılmaz İ.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021),

Ankara, Turkey, 15 - 17 December 2021, pp.851-856

- III. **Preparation and Characterization of PDMS/TiO<sub>2</sub> Nanocomposite Membranes for CO<sub>2</sub> Separation**  
Keskin E., Salt Y., Yargı Ö.  
ISPEC 11th International Conference on Engineering & Natural Sciences, Muş, Turkey, 18 - 19 September 2021, vol.1, pp.247
- IV. **Asymmetric and Symmetric Coin cell Capacitors by Deposition of Graphene for Energy Storage Applications**  
Yargı Ö., Özmen M. M., Büyükpehlivan S., Gelir A.  
TUBA World Conference on Energy Science and Technology (TUBA WCEST-2021), İstanbul, Turkey, 8 - 12 August 2021, pp.257
- V. **FAST-CHARGING HYBRID POWER SUPPLY FOR SCOOTERS**  
Yargı Ö.  
ICPAT 2020 INTERNATIONAL CONFERENCE ON PROGRESSES IN AUTOMOTIVE TECHNOLOGIES 2020, 28 - 29 December 2020
- VI. **Investigation of Porous Electrodes on Cr<sub>2</sub>O<sub>3</sub> Supercapacitors**  
Aksoy B., Eken Korkut S., Ekinci T., Yargı Ö.  
the 9 th international scientific research congress, science and engineering, Ankara, Turkey, 12 - 13 December 2020
- VII. **Effect of Infrared Heating on the Film Formation Process of Polymer Latexes**  
Ekinci T., Yargı Ö.  
The 9th international scientific research congress, science and engineering, Ankara, Turkey, 12 - 13 December 2020
- VIII. **Production of High Performance Supercapacitors From Porous Electrodes**  
Tangil K. B., Yargı Ö.  
The 9th international scientific research congress, science and engineering, Ankara, Turkey, 12 - 13 December 2020
- IX. **Yüksek Enerji Yoğunluklu Yerli Üretim Süperkapasitör**  
Yargı Ö.  
3.Pil Teknolojileri ve Enerji Sistemleri Çalıştayı, Kayseri, Turkey, 21 December 2018 - 22 September 2019
- X. **Influence of Concentration of Rutile Titanium Dioxide (TiO<sub>2</sub>) Nanoparticles on the Tensile Properties of TiO<sub>2</sub>/Poly(Vinyl) Alcohol (PVA) Composites**  
AKSAKAL B., BOZDOĞAN A., YARGI Ö., Gez H. S., Yılmaz İ.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 05 September 2018, pp.475
- XI. **Small Particle Size Effect on Photon Transmission from Polyvinyl Alcohol (PVA) and Titanium Dioxide (TiO<sub>2</sub>) Composite Films**  
YARGI Ö., Özer T., BOZDOĞAN A., AKSAKAL B., Gez H. S., Yılmaz İ.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 05 September 2018, pp.489
- XII. **Uniaxial Tensile and Structural Properties of Poly(Vinyl Alcohol) and Titanium Dioxide Composite Films: The Influence of Small Particle Size**  
BOZDOĞAN A., AKSAKAL B., YARGI Ö., Gez H. S., Yılmaz İ.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 05 September 2018, pp.498
- XIII. **Mechanical, Electrical and Optical Properties of Poly(vinyl alcohol) and Graphene Oxide Composites: The Influence of UV Irradiation**  
BOZDOĞAN A., ÇALIŞKAN M., AKSAKAL B., ŞAHİNTÜRK U., YARGI Ö.  
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 06 September 2017, pp.626
- XIV. **Uniaxial Tensile and Structural Properties of Poly(vinyl alcohol) and Graphene Oxide Composite Films with Different Weight ratios: The Influence of Heating**  
BOZDOĞAN A., AKSAKAL B., Şahintürk U., YARGI Ö., ÇALIŞKAN M.  
TURCMOS 2017 International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 August 2017, pp.144
- XV. **Heating Effect on Spectroscopic and Mechanical Properties of rGO/PVA Composite Films**

BOZDOĞAN A., AKSAKAL B., ŞAHİNTÜRK U., YARGI Ö., Gez H. S.

TURCMOS 2017 International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 August 2017, pp.149

- XVI. **Influence of UV Irradiation on the Structural and Mechanical Properties of TiO<sub>2</sub>/GO/PVA Composite Films**  
Aksakal B., Bozdoğan A., Şahintürk U., Çalışkan M., Yargı Ö.  
TURCMOS 2017 International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 August 2017, pp.148
- XVII. **Structural and Tensile Characteristics of rGO/PVA Composite Films: Influence of UV Irradiation**  
Bozdoğan A., Aksakal B., Şahintürk U., Yargı Ö.  
TURCMOS 2017 International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 - 29 August 2017, pp.145
- XVIII. **Uniaxial Tensile and Structural Properties of Poly(vinyl alcohol) and Graphene Oxide Composite Films with Different Weight ratios: The Influence of Heating**  
Bozdoğan A., Aksakal B., Şahintürk U., Yargı Ö., Çalışkan M.  
TURCMOS 2017 International Turkish Congress on Molecular Spectroscopy, Muğla, Turkey, 26 - 29 August 2017, pp.144
- XIX. **Film Formation from Latexes A Photon Transmission Study**  
Yargı Ö., Biggs S., Cayre O., Aksakal B., Nuhoğlu Ç.  
18th international conference Materials, Methods and Technologies, Burgas, Bulgaria, 26 - 30 June 2016
- XX. **Thermal Effect on the Uniaxial Tensile Properties and Structure of PVA Thin Films**  
Aksakal B., Yargı Ö.  
18th international conference Materials, Methods and Technologies, Burgas, Bulgaria, 26 - 30 June 2016
- XXI. **Optical and Conductivity measurements for understanding of film formation from polymer latex carbonnanotube composites**  
Uğur Ş., Yargı Ö., Pekcan M. Ö.  
5th International Colloids Conference, Amsterdam, Netherlands, 21 - 24 June 2015
- XXII. **Metal Basamaklı Bir Yüzeyin Titreşimsel Özellikleri: Cu (551)**  
Yargı Ö.  
Türk Fizik Derneği 22. Fizik Kongresi, Muğla, Turkey, 14 September 2004 - 17 September 2014, pp.232
- XXIII. **Elucidation of the Porous Size Dependence of the Oxygen Diffusion into Porous Silicon by Using Fluorescence Technique**  
Yargı Ö., Gelir A., Aydın Yüksel S., Koç K.  
International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013), İstanbul, Turkey, 15 September 2013, pp.109
- XXIV. **Diffusion Energies and Oxygen Diffusion Coefficients of Porous Silicon**  
Yargı Ö., Aydın Yüksel S., Gelir A., Koç K.  
International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013), İstanbul, Turkey, 15 - 20 September 2013, pp.106
- XXV. **Effect Of Uv Light On The Uniaxial Tensile Properties Of TiO<sub>2</sub> Coated Bombyx Mori Silk Fibers By Sol Gel Method**  
Aksakal B., Koç K., Yargı Ö., Tsobkalo K.  
Turcmos 2013, International Turkish Congress on Molecular Spectroscopy, İstanbul, Turkey, 15 - 20 September 2013, pp.126
- XXVI. **Fluorescence quenching of Pyrene Labeled PDVB-PMMA Composites by Oxygen**  
Yargı Ö.  
Turkish Physical Society, 29 th International Physics Congress, Muğla, Turkey, 5 - 08 September 2012
- XXVII. **Percolation and Film Formation Behaviors of MWNT/PS Nanocomposites**  
Uğur Ş., Yargı O., Pekcan O.  
11th International Conference on the Mechanical Behavior of Materials (ICM), Como, Italy, 01 January 2011, vol.10, pp.1709-1717

- XXVIII. **Oxygen Diffusion into Clay-Doped PS Films by Using Fluorescence Quenching Technique**  
Uğur Ş., Yargı Ö., Pekcan M. Ö.  
Polymer Networks Group 20 th Conference, Mainz, Germany, 29 August - 02 September 2010, pp.31
- XXIX. **Oxygen Diffusion in PS/MWNT Composite Films**  
Yargı Ö., Uğur Ş., Pekcan M. Ö.  
Nanomats 2009, İstanbul, Turkey, 10 - 13 August 2009, pp.238
- XXX. **Oxygen Diffusion into Polymer Clay Composite Films as a Function of Clay Content and Temperature**  
Uğur Ş., Yargı Ö., Pekcan M. Ö.  
Polymer Colloids: From Design to Biomedical and Industrial Applications, Praha, Czech Republic, 20 - 24 July 2008, pp.59
- XXXI. **Women Physicists in Turkey: 2002 to the Present**  
Uğur Ş., Yargı Ö.  
3rd IUPAP International Conference on Women in Physics, Seoul, South Korea, 8 - 10 October 2008, vol.1119, pp.183-184
- XXXII. **Fluorescence Technique for Film Formation From Polymer Latex/Clay Nanocomposites**  
Uğur Ş., Yargı Ö., Pekcan M. Ö.  
17 th International Symposium on Surfactants in Solution, Berlin, Germany, 17 - 22 August 2008, pp.209
- XXXIII. **Oxygen Diffusion in Polymer Nano Composite Films Based on Fluorescence Quenching**  
Yargı Ö.  
Nano Tr4, Nanobilim ve Nanoteknoloji Konferansı, İstanbul, Turkey, 9 - 13 June 2008, pp.55
- XXXIV. **Metal Basamaklı Yüzeylerin Titreşimsel Özellikleri**  
Yargı Ö.  
11. İstatistik Fizik Günleri, İstanbul, Turkey, 24 - 26 June 2004, pp.1

## Expert Reports

- I. **2020/9 İmza Delil Tespiti**  
Yargı Ö.  
İstanbul 23. İcra Hukuk Mahkemesi, pp.12, İstanbul, 2020
- II. **İstanbul 2. icra Hukuk 2020/5**  
Yargı Ö.  
İstanbul 2. icra Hukuk 2020/5, pp.10, İstanbul, 2020
- III. **İstanbul 2. İcra Hukuk 2020/5 talimat**  
Yargı Ö.  
İstanbul 2. İcra Hukuk 2020/5 talimat, pp.10, İstanbul, 2020
- IV. **Dosya 16 İcra Hukuk Mah.2019/6**  
Yargı Ö.  
Hukuk Mahkemesi, pp.3, İstanbul, 2019
- V. **BELGE, 2019/1 Tal. (Isparta İcra Hukuk Mah. 2018/101 E.)**  
Yargı Ö.  
İstanbul 22. İcra Hukuk Mahkemesi Hakimliği, pp.3, İstanbul, 2019

## Supported Projects

- Yargı Ö., Büyükpehlivan S., Özmen M. M., TUBITAK Project, FARKLI TÜRDE BİYOPOLİMER TABANLI SEPERATÖR(AYIRICI) VE Cr2O3 SÜPERKAPASİTÖR ÜRETİMİ, 2021 - 2022
- Yargı Ö., Gelir A., Eken Korkut S., Yılmaz İ., Technopark, YENİ NESİL KURU YAPIDA VE YÜKSEK PERFORMANSLI SÜPERKAPASİTÖR ÜRETİMİ, 2021 - 2022
- Yargı Ö., Gelir A., Yılmaz İ., TUBITAK Project, YÜKSEK ENERJİ YOĞUNLUKLU SÜPERKAPASİTÖR VE YÜKSEK İYON



GEÇİRGENLİKLI ÖZEL SEPARATÖR(AYIRICI) ÜRETİMİ, 2019 - 2020

Bozdoğan A., Şahintürk U., Yargı Ö., Aksakal B., Project Supported by Higher Education Institutions, Farklı Isıtma

Tekniklerinin Grafen Oksit/Polivinil Alkol Kompozit Filmlerinin Mekanik Özelliklerine Etkisi, 2016 - 2019

Yargı Ö., TUBITAK Project, Asymmetric Supercapacitor production with High Energy Density , 2016 - 2018

YARGI Ö., Project Supported by Higher Education Institutions, Polystrene/Kil Kompozitlerinin Fiziksel Özellikleri, 2010 - 2010

## Activities in Scientific Journals

Committee Member, 2017 - Continues

## Memberships / Tasks in Scientific Organizations

Royal Academy of Engineering, Member, 2019 - Continues, United Kingdom

Colloid and Surface Science, Member, 2017 - 2019

## Scientific Refereeing

POLYMER COMPOSITES, SCI Journal, July 2021

POLYMER COMPOSITES, SCI Journal, February 2021

TURKISH JOURNAL of MATERIALS, Other Journals, December 2020

Project Supported by Higher Education Institutions, BAP Research Project, Istanbul University, Turkey, October 2020

JOURNAL OF COMPOSITE MATERIALS, SCI Journal, December 2019

JOURNAL OF COMPOSITE MATERIALS, SCI Journal, November 2019

JOURNAL OF COMPOSITE MATERIALS, SCI Journal, August 2019

JOURNAL OF COMPOSITE MATERIALS, SCI Journal, July 2019

JOURNAL OF COMPOSITE MATERIALS, SCI Journal, April 2019

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Yildiz Technical University, Turkey, February 2019

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Yildiz Technical University, Turkey, February 2019

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Yildiz Technical University, Turkey, February 2019

POLYMER COMPOSITES, SCI Journal, February 2018

Polymer Engineering&Science, SCI Journal, August 2017

POLYMER COMPOSITES, SCI Journal, June 2017

Polymer Composites, SCI Journal, June 2017

Macromolecular Symposia, SCI Journal, September 2009

## Scientific Consultations

YTÜ TEKNOPARK TEKNOLOJİ TRANSFER OFİSİ, Project Consultancy, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey, 2021 - 2022

## Mobility Activity

Post Doc, Post Doc, The University of Leeds, England, 2014 - 2014

## Metrics

Publication: 84

Citation (WoS): 158

Citation (Scopus): 159

H-Index (WoS): 7

H-Index (Scopus): 7

## Congress and Symposium Activities

Heating Effect on Spectroscopic and Mechanical Properties of rGO/PVA Composite Films/TURCMOS 2017, Attendee, İstanbul, Turkey, 2017

Influence of UV Irradiation on the Structural and Mechanical Properties of TiO<sub>2</sub>/GO/PVA Composite Films TURCMOS 2017, Attendee, Muğla, Turkey, 2017

Structural and Tensile Characteristic of rGO/PVA Composite Films: Influence of UV Irradiation TURCMOS 2017, Attendee, Muğla, Turkey, 2017

Uniaxial Tensile and Structural Properties of Poly(Vinyl Alcohol) and Graphene Oxide Composite Films with Different Weight Film: The Influence of Heating/TURCMOS 2017, Attendee, Muğla, Turkey, 2017

Film Formation from Latexes: A Photon Transmission Study. Materials, Methods and Technologies, International Conference., Attendee, Burgas, Bulgaria, 2016

THERMAL EFFECT ON THE UNIAXIAL TENSILE PROPERTIES AND STRUCTURE OF PVA THIN FILMS. Materials, Methods & Technologies 18 th International Conference, Attendee, Burgas, Bulgaria, 2016

Optical and Conductivity Measurements for Understanding of Film Formation From Polymer Latex/Carbon Nanotube Composites. 5th International Colloids Conference., Attendee, Amsterdam, Netherlands, 2015

EFFECT OF UV-LIGHT ON THE UNIAXIAL TENSILE PROPERTIES OF TiO<sub>2</sub> COATED BOMBYX MORI SILK FIBERS BY SOL-GEL METHOD. International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013), Attendee, Turkey, 2013

DIFFUSION ENERGIES AND OXYGEN DIFFUSION COEFFICIENTS OF POROUS SILICON. International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013), Attendee, İstanbul, Turkey, 2013

Elucidation of the Porous Size Dependence of the Oxygen Diffusion into Porous Silicon by Using Fluorescence Technique. International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013), Attendee, Turkey, 2013

Fluorescence Quenching of Pyrene Labeled PDVB-PMMA Composites by Oxygen. Turkish Physical Society, 29 th, international Physics Congress, Attendee, Muğla, Turkey, 2012

Oxygen Diffusion and Diffusion Energies of Polymer-Carbon Nanotube Composite Films. Coating Science International 2012, Attendee, Amsterdam, Netherlands, 2012

PERCOLATION AND FILM FORMATION BEHAVIORS OF MWNT/PS NANOCOMPOSITES. 11th International Conference on the Mechanical Behavior of Materials (ICM11), Attendee, Milano, Italy, 2011

OXYGEN DIFFUSION INTO CLAY-DOPED PS FILMS BY USING FLUORESCENCE TECHNIQUE. Polymer Networks Group 20 th Conference (PNG), Attendee, Gelsenkirchen, Germany, 2010

OXYGEN DIFFUSION IN PS/MWNT COMPOSITE FILMS. International Conference on Nanomaterials and Nanosystems, Attendee, İstanbul, Turkey, 2009

FLUORESCENCE TECHNIQUE FOR FILM FORMATION FROM POLYMER LATEX/CLAY NANOCOMPOSITES. SIS 2008, Attendee, Berlin, Germany, 2009

OXYGEN DIFFUSION INTO POLYMER-CLAY COMPOSITE FILMS AS A FUNCTION OF CLAY CONTENT AND TEMPERATURE. 48th Microsymposium Polymer Colloids: From Design to Biomedical and Industrial Applications., Attendee, Praha, Czech Republic, 2009

PS DOPED PNIPAM FILMS AT VARIOUS COMPOSITIONS; REVERSIBLE FILM FORMATION BEHAVIOR. Polymer Network Structures: Recent Developments, Perspectives and Applications konferansı dahilinde "11 th Dresden Polymer Discussion, Attendee, Dresden, Germany, 2007

FILM FORMATION BEHAVIOR OF PNIPAM HYDROGELS DOPED WITH PS LATEX. Turkish Physical Society, 24 th, international Physics Congress., Attendee, Malatya, Turkey, 2007

REVERSIBLE FILM FORMATION FROM PNIPAM MICROGEL PARTICLES BELOW T<sub>g</sub>. EUCMOS XXVIII, Attendee, İstanbul, Turkey, 2006

### **Entrepreneurship Activities**

Limited, ADENS TEKNOLOJİ VE MÜHENDİSLİ, DANIŞMANLIK, TİCARET LİMİTE ŞİRKETİ, 24 May 2019, Founder Owner

### **Non Academic Experience**

Royal Academy of Engineering/Londra  
Leeds Üniversitesi/İngiltere