

## Assoc. Prof. YASİN KANBUR

### Personal Information

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### Education Information

Post Doctorate, Johannes Kepler Universitaet Linz, Linz Institute of Organic Solar Cells, Austria 2014 - 2015

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Polymer Science And Technology, Turkey 2004 - 2011

Under Graduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1997 - 2002

### Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Polymeric Materials, Nanomaterials, Chemistry, Physical Chemistry, Composites, nanocomposites, Characterization of Polymers, Polymeric Materials, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Karabuk University, Fen Fakültesi, Kimya, 2020 - Continues

Assistant Professor, Karabuk University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2012 - 2020

Research Assistant, Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011 - 2012

Research Assistant, Orta Doğu Teknik Üniversitesi, Ulaştırma Mühendisliği, Polimer Bilimi Ve Teknolojisi (YI) (Tezli), 2004 - 2011

### Professional Experience

Assistant Director of the Institute, Karabük Üniversitesi, Demirçelik Enstitüsü, 2015 - 2017

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Effect of silane-modification of diatomite on its composites with thermoplastic polyurethane**  
Kucuk F., ŞİŞMANOĞLU S., KANBUR Y., Tayfun U.  
Materials Chemistry and Physics, vol.256, 2020 (Journal Indexed in SCI Expanded)
- II. **Ruthenium Nanoparticles Supported on Reduced Graphene Oxide: Efficient Catalyst for the Catalytic Reduction of Cr(VI) in the Presence of Amine-Boranes**  
Yurderi M., Bulut A., Kanberoğlu G. S. , Kaya M., KANBUR Y., Zahmakıran M.  
ChemistrySelect, vol.5, pp.6961-6970, 2020 (Journal Indexed in SCI Expanded)
- III. **Effect of alkali and silane surface treatments on the mechanical and physical behaviors of date palm seed-filled thermoplastic polyurethane eco-composites**  
ŞİŞMANOĞLU S., Tayfun U., KANBUR Y.

JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, 2019 (Journal Indexed in SCI)

- IV. **Stability of Selected Hydrogen Bonded Semiconductors in Organic Electronic Devices**  
Irimia-Vladu M., Kanbur Y., Camaioni F., Coppola M. E., Yumusak C., Irimia C. V., Vlad A., Operamolla A., Farinola G. M., Suranna G. P., et al.  
Chemistry of Materials, vol.31, pp.6315-6346, 2019 (Journal Indexed in SCI Expanded)
- V. **Development of multifunctional polyurethane elastomer composites containing fullerene: Mechanical, damping, thermal, and flammability behaviors**  
KANBUR Y., Tayfun U.  
JOURNAL OF ELASTOMERS AND PLASTICS, vol.51, pp.262-279, 2019 (Journal Indexed in SCI)
- VI. **Mechanical, thermo-mechanical and water uptake performance of wood flour filled polyurethane elastomer eco-composites: influence of surface treatment of wood flour**  
Kilinc K., KANBUR Y., Tayfun U.  
HOLZFORSCHUNG, vol.73, pp.401-407, 2019 (Journal Indexed in SCI)
- VII. **High temperature-stability of organic thin-film transistors based on quinacridone pigments**  
Kanbur Y., Coskun H., Glowacki E. D., Irimia-Vladu M., Sariciftci N. S., Yumusak C.  
Organic Electronics, vol.66, pp.53-57, 2019 (Journal Indexed in SCI Expanded)
- VIII. **Comparison of microwave absorption properties between BaTiO<sub>3</sub>/Epoxy and NiFe<sub>2</sub>O<sub>4</sub>/Epoxy composites**  
AKINAY Y., HAYAT F., KANBUR Y., GÖKKAYA H., POLAT S.  
POLYMER COMPOSITES, vol.39, 2018 (Journal Indexed in SCI)
- IX. **Investigating mechanical, thermal, and flammability properties of thermoplastic polyurethane/carbon nanotube composites**  
KANBUR Y., Tayfun U.  
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.31, pp.1661-1675, 2018 (Journal Indexed in SCI)
- X. **Mechanical, electrical, and melt flow properties of polyurethane elastomer/surface-modified carbon nanotube composites**  
Tayfun U., KANBUR Y., Abaci U., Guney H. Y., Bayramli E.  
JOURNAL OF COMPOSITE MATERIALS, vol.51, pp.1987-1996, 2017 (Journal Indexed in SCI)
- XI. **Mechanical, flow and electrical properties of thermoplastic polyurethane/fullerene composites: Effect of surface modification of fullerene**  
Tayfun U., KANBUR Y., ABACI U., GÜNEY H. Y., Bayramli E.  
COMPOSITES PART B-ENGINEERING, vol.80, pp.101-107, 2015 (Journal Indexed in SCI)
- XII. **Preparation and characterization of acrylonitrile-ethyl methacrylate copolymers and the effect of LiClO<sub>4</sub> salt on electrical properties of copolymer films**  
Vargün E., Sankar M., Usanma A., Kanbur Y., Abacı U., GÜNEY H. Y.  
Journal of Applied Polymer Science, vol.124, pp.840-846, 2012 (Journal Indexed in SCI Expanded)
- XIII. **Synthesis and characterization of surface modified fullerene**  
Kanbur Y., Küçükyavuz Z.  
Fullerenes Nanotubes and Carbon Nanostructures, vol.20, pp.119-126, 2012 (Journal Indexed in SCI)
- XIV. **Indigo - A natural pigment for high performance ambipolar organic field effect transistors and circuits**  
İRİMİA-VLADU M., GŁOWACKI E. D., TROSHIN P. A., SCHWABEGGER G., LEONAT L., SUSAROVA D. K., KRYSZTAŁ O., ULLAH M., Kanbur Y., BODEA M. A., et al.  
Advanced Materials, vol.24, pp.375-380, 2012 (Journal Indexed in SCI)
- XV. **Vacuum-processed polyethylene as a dielectric for low operating voltage organic field effect transistors**  
Kanbur Y., Irimia-Vladu M., Głowacki E. D., Voss G., Baumgartner M., Schwabegger G., Leonat L., Ullah M., Sarica H., Erten-Ela S., et al.  
Organic Electronics, vol.13, pp.919-924, 2012 (Journal Indexed in SCI Expanded)
- XVI. **High mobility, low voltage operating C<sub>60</sub> based n-type organic field effect transistors**  
Schwabegger G., Ullah M., Irimia-Vladu M., Baumgartner M., Kanbur Y., Ahmed R., Stadler P., Bauer S., Sariciftci N.,

Sitter H.

Synthetic Metals, vol.161, pp.2058-2062, 2011 (Journal Indexed in SCI Expanded)

**XVII. Surface modification and characterization of multi-walled carbon nanotube**

Kanbur Y., Küçükyavuz Z.

Fullerenes Nanotubes and Carbon Nanostructures, vol.19, pp.497-504, 2011 (Journal Indexed in SCI Expanded)

**XVIII. Biocompatible and biodegradable materials for organic field-effect transistors**

İRİMİA-VLADU M., TROSHIN P. A. , REISINGER M., SHMYGLEVA L., Kanbur Y., SCHWABEGGER G., BODEA M., SCHWÖDIAUER R., MUMYATOV A., FERGUS J. W. , et al.

Advanced Functional Materials, vol.20, pp.4069-4076, 2010 (Journal Indexed in SCI)

**XIX. Electrical and mechanical properties of polypropylene/carbon black composites**

Kanbur Y., Küçükyavuz Z.

Journal of Reinforced Plastics and Composites, vol.28, pp.2251-2260, 2009 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Asidik ve Bazik Pomza İçeren Polipropilen Kompozitlerinin Mekanik, Fiziksel ve Morfolojik Özellikleri**  
tayfun ü., KANBUR Y.  
Sakarya University Journal of Science, vol.22, pp.333-339, 2018 (Other Refereed National Journals)
- II. **Polipropilen/Huntit Kompozitlerinin Mekanik, Fiziksel ve Morfolojik Özellikleri**  
KANBUR Y., tayfun ü.  
SAÜ Fen Bilimleri Enstitüsü Dergisi, vol.21, pp.1045-1050, 2017 (Other Refereed National Journals)
- III. **Bioconjugation of hydrogen-bonded organic semiconductors with functional proteins**  
Głowacki E., Tangorra R., Coskun H., Farka D., Operamolla A., Kanbur Y., Milano F., Giotta L., Farinola G., Sariciftci N.  
Journal of Materials Chemistry C, vol.3, pp.6554-6564, 2015 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **ENVIRONMENTALLY FRIENDLY POLYMER COMPOSITES: OURPAST, ONGOING STUDIES AND FUTURE PERSPECTIVE**  
KANBUR Y., tayfun ü.  
II INTERNATIONAL SCIENTIFIC-TECHNICAL CONFERENCE«THE MODERN TECHNOLOGIES OF POLYMER MATERIALSOBTAINING AND PROCESSING», 6 - 08 November 2019
- II. **THE USE OF MUSSEL SHELL AS AN ADDITIVE FOR POLY (LACTICACID) BASED GREEN COMPOSITES**  
Lap M. O. , KANBUR Y., tayfun ü.  
II INTERNATIONAL SCIENTIFIC-TECHNICAL CONFERENCE«THE MODERN TECHNOLOGIES OF POLYMER MATERIALSOBTAINING AND PROCESSING», 6 - 08 November 2019
- III. **Effect of Adding Different Agricultural Wastes On Mechanical and Water Uptake Properties of Thermoplastic Polyurethane Biocomposites**  
KANBUR Y.  
6th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, 13 - 15 June 2019
- IV. **EFFECT OF DIFFERENT SURFACE TREATMENTS OF DATE PALM SEED ON MECHANICAL AND PHYSICAL PROPERTIES OF THERMOPLASTIC POLYURETHANE/DATE PALM SEED COMPOSITES**  
ŞİŞMANOĞLU S., TAYFUN Ü., KANBUR Y.  
BRAMAT 2019 11TH INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE ENGINEERING, 13 - 16 March 2019
- V. **COMPARISON OF SILANE COUPLING AGENTS AS SURFACE MODIFIERS FOR IMPROVEMENT OF MECHANICAL AND PHYSICAL PROPERTIES OF POLYURETHANE ELASTOMER/DIATOMITE COMPOSITES**  
KANBUR Y., küçük f., tayfun ü.  
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 2 - 06 May 2018

- VI. **Preparation and Characterization of Acidic and Basic Pumice Filled Polypropylene Composite**  
KANBUR Y., tayfun ü.  
The 1st International Conference of Advanced Materials and Manufacturing Technologies (ICAMT'17), 25 - 27 October 2017
- VII. **Mechanical, thermal, fire resistance and morphological characterizations of surface modified carbon nanotube reinforced thermoplastic polyurethane composites**  
KANBUR Y., tayfun ü.  
The 3rd International Conference on Nanomaterials: Fundamentals and Applications, Slovakia, 9 - 11 October 2017
- VIII. **Fulleren Takviyeli TPU Nanokompozitlerin Mekanik Isısal Yanmazlık ve Morfolojik Özellikleri**  
KANBUR Y., tayfun ü.  
VI. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Turkey, 4 - 07 September 2016
- IX. **Molecular Engineering of Dendrimer Organic Semiconductors for Efficient OLEDs**  
USLUER BRISENO Ö., lee h., DEMİÇ Ş., KOYUNCU S., KUŞ M., KANBUR Y., Briseno A. L.  
2015 MRS Spring Meeting Exhibit, San-Francisco, Costa Rica, 6 - 10 April 2015
- X. **YÜZEY MODİFİKASYONLARI UYGULANMIŞ KARBON NANOTÜP İÇEREN TPU NANO-KOMPOZİTLERİN MEKANİK, REOLOJİK VE ELEKTRİKSEL ÖZELLİKLERİ**  
tayfun ü., KANBUR Y., ABACI U., GÜNEY H. Y., bayramlı e.  
V. ULUSAL POLİMER BİLİM VE TEKNOLOJİKONGRESİ, Tokat, Turkey, 1 - 04 September 2014
- XI. **Mechanical, Rheological and Electrical Properties of TPU/Fullerene Nano-composites: Effect of Surface Modification of Fullerene**  
tayfun ü., KANBUR Y., ABACI U., GÜNEY H. Y., bayramlı e.  
10th Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 17 - 21 June 2014
- XII. **Electrical and Mechanical Properties of Polypropylene/Fullerene Composites**  
KANBUR Y., Küçükayavuz Z.  
26. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012
- XIII. **Poliakrilonitril-metakrilat Bazlı Kopolimerlerin Elektriksel Özelliklerinin İncelenmesi**  
VARGÜN E., SANKIR M., USANMAZ A., KANBUR Y., ABACI U., GÜNEY H. Y.  
IV. ULUSAL POLİMER BİLİM VE TEKNOLOJİKONGRESİ, Çanakkale, Turkey, 5 - 08 September 2012
- XIV. **Polipropilen / Karbon Nanotube Kompozitlerinin Elektriksel ve Mekanik Özellikleri**  
KANBUR Y., Küçükayavuz Z.  
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 - 02 June 2011
- XV. **Synthesis and Characterization of Fullerene-Maleic Anhydride Copolymer**  
güney a., KANBUR Y., Küçükayavuz Z.  
First International Symposium Frontiers in Polymer Science, 7 - 09 June 2009
- XVI. **Polipropilen/Polipirol Kompozitlerinin Elektriksel ve Mekanik Özellikleri**  
KANBUR Y., börüban ç., Küçükayavuz Z.  
XXII. Ulusal Kimya Kongresi, Cyprus (Kktc), 6 - 10 October 2008
- XVII. **KARBON SİYAHİ İLE GÜÇLENDİRİLMİŞ POLİPROPİLEN KOMPOZİTLERİNİN ELEKTRİKSEL VE MEKANİK ÖZELLİKLERİNİN İNCELENMESİ**  
KANBUR Y., Küçükayavuz Z.  
XIX. Ulusal Kimya Kongresi, Turkey, 30 September - 04 October 2005

## Supported Projects

KANBUR Y., Project Supported by Higher Education Institutions, Termoplastik Poliüretan / Hurma Çekirdeği Kompozitlerinin Hazırlanması ve Karakterizasyonu, 2018 - 2019

KANBUR Y., Project Supported by Higher Education Institutions, Comparisons of Silane Coupling Agents as Surface Modifiers for Improvement of Mechanical and Physical Properties of Polyurethane Elastomer/Diatomite Composites, 2018 - 2018

KANBUR Y., Project Supported by Higher Education Institutions, Mechanical, thermal, fire resistance and morphological

characterizations of surface modified carbon nanotube reinforced thermoplastic polyurethane composites, 2017 - 2018

## Citations

Total Citations (WOS):560

h-index (WOS):6