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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2013 - 2019

Post Graduate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2011 - 2013

Under Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2007 - 2011

Dissertations

Post Graduate, Pomza partikül takviyeli polimer matrisli kompozitlerin üretimi ve erozif aşınma davranışının incelenmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2013

Research Areas

Mechanical Engineering

Academic Titles / Tasks

Research Assistant, Kocaeli Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2012 - Continues

Courses

Computer Aided Machine Drawing, Under Graduate, 2019 - 2020

Innovation and Project Management, Under Graduate, 2019 - 2020

Innovation and Project Management, Under Graduate, 2019 - 2020

Computer Aided Machine Drawing, Under Graduate, 2019 - 2020

Mechanical Drawing, Under Graduate, 2019 - 2020

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

- I. **Effect of mussel shell reinforcement on mechanical and tribological behavior of polyphenylene sulfide composites**
Şahin A. E. , Çetin B., Sımmazçelik T.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, 2020 (Journal Indexed in SCI)
- II. **Effects of Terpolymer Addition on the Thermal and Thermomechanical Properties of Poly(Phenylene Sulfide)**

ÇETİN B., ŞAHİN A. E. , YILMAZ T., SINMAZÇELİK T., CÜRGÜL İ.

ACTA PHYSICA POLONICA A, vol.131, no.3, pp.598-600, 2017 (Journal Indexed in SCI)

- III. **Olivine Particle Reinforced Polyphenylene Sulfide Matrix Composites**
ŞAHİN A. E. , SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.131, no.3, pp.481-483, 2017 (Journal Indexed in SCI)
- IV. **Comparison of the Mechanical, Thermomechanical, Thermal, and Morphological Properties of Pumice and Calcium Carbonate-Filled Poly(phenylene sulfide) Composites**
Sahin A. E. , Karsli N. G. , Sinmazçelik T.
POLYMER COMPOSITES, vol.37, no.11, pp.3160-3166, 2016 (Journal Indexed in SCI)
- V. **Improvement of the Toughness and Crack Propagation Resistance Properties of Poly(Phenylene Sulfide)**
ÇETİN B., ŞAHİN A. E. , Karsli N. G. , YILMAZ T., SINMAZÇELİK T., CÜRGÜL İ.
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.683-686, 2016 (Journal Indexed in SCI)
- VI. **Thermomechanical and Solid Particle Erosion Behaviour of CaCO₃ and SGF (Short Glass Fibre) Reinforced ABS/PA6 Composites**
ŞAHİN A. E. , YILMAZ S., YILMAZ T., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1062-1064, 2015 (Journal Indexed in SCI)
- VII. **Effect of particle impact angle, Erodent particle size and acceleration pressure on the solid particle erosion behavior of 3003 Aluminum alloy**
Yildiran Y., AVCU E., ŞAHİN A. E. , FİDAN S., YETİŞTİREN H., SINMAZÇELİK T.
Acta Physica Polonica A, vol.125, no.2, pp.523-525, 2014 (Journal Indexed in SCI)
- VIII. **Influences of Particle Impingement Angle and Velocity on Surface Roughness, Erosion Rate, and 3D Surface Morphology of Solid Particle Eroded Ti6Al4V Alloy**
AVCU E., YILDIRAN Y., ŞAHİN A. E. , FİDAN S., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.541-543, 2014 (Journal Indexed in SCI)
- IX. **Mechanical and Thermal Properties of Pumice Powder Filled PPS Composites**
ŞAHİN A. E. , YILDIRAN Y., AVCU E., FİDAN S., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.518-520, 2014 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECT OF PISTACHIO SHELL REINFORCEMENT ON ADHESIVE WEAR BEHAVIOUR OF POLYPROPHELENE (PP) MATRIX COMPOSITES**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
IV. İNES İNTERNATİONAL ACADEMİC RESEARCH CONGRESS, Antalya, Turkey, 30 October - 03 November 2018
- II. **SOLID PARTICLE EROSION BEHAVIOUR OF PISTACHIO SHELL REINFORCED POLYPROPHELENE(PP) MATRIX COMPOSITES**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
IV. İNES İNTERNATİONAL ACADEMİC RESEARCH CONGRESS, Antalya, Turkey, 30 October - 03 November 2018
- III. **SOLID PARTICLE EROSION BEHAVIOR OF MUSSEL SHELL REINFORCED POLY (PHENYLENE SULFIDE) PPS**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
INTERNATIONAL SCIENCE AND TECHNOLOGY CONFERENCE, Paris, France, 18 - 20 July 2018
- IV. **EFFECT OF NUT SHELL REINFORCEMENT ON SOLID PARTICLE EROSION BEHAVIOUR OF POLYPROPHELENE (PP) MATRIX COMPOSITES**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
IV. INTERNATIONAL EGE COMPOSITE MATERIALSSYMPOSIUM, İzmir, Turkey, 6 - 08 August 2018
- V. **Solid Particle Erosion Behaviour Of Walnut Shell Reinforced Polyprophelelene(PP) Matrix Composites,**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
II. International Academic Research Congress, Antalya, Turkey, 18 - 21 October 2017

- VI. **Effect Of Nut Shell Reinforcement On Adhesive Wear Behaviour Of Polypropylene (PP) Matrix Composites**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
II. International Academic Research Congress, Antalya, Turkey, 18 - 21 October 2017
- VII. **Solid Particle Erosion Behaviour Of Carbon Fibre Reinforced Epoxy Resin Composites**
BIKMAZ H., ŞAHİN A. E. , SINMAZÇELİK T.
II. International Academic Research Congress, Antalya, Turkey, 18 - 21 October 2017
- VIII. **Hidrotermal Yaşlandırmanın Kısa Cam Fiber Takviyeli Polifenilensulfid Kompozitin Tribolojik Özelliklerine Etkisi**
YETİŞTİREN H., ZEREN A., ŞAHİN A. E.
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017
- IX. **Effect of Perlite Particle Reinforcement On Mechanical and Wear Behavior Of Polyphenylene Sulfide (PPS)**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
25th International Conference on Composite or Nano Engineering, Roma, Italy, 16 - 22 July 2017
- X. **Effect of Walnut Shell Reinforcement on Adhesive Wear Behaviour of Polypropylene (PP) Matrix Composites**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
3th International Conference on Engineering and Natural Sciences (ICENS2017), Budapest, Hungary, 3 - 07 May 2017
- XI. **Scratch Behaviour of Walnut Shell Reinforced Polypropylene (PP) Matrix Composites**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
3th International Conference on Engineering and Natural Sciences (ICENS2017), Budapest, Hungary, 3 - 07 May 2017
- XII. **EFFECTS OF USING MUSSEL SHELL AS A PARTICLE REINFORCING AGENT IN POLYPHENYLENE MATRIX COMPOSITES**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
16th International Materials Symposium IMSP'2016, 12 - 14 October 2016
- XIII. **Investigation Parameter Effects on Tribological Performance of Short Carbon Fiber and Pumice Particle Reinforced PPS/PA66 Blend**
ŞAHİN A. E. , YILMAZ S., SINMAZÇELİK T., YILMAZ T.
MACRO 2016-46th IUPAC WORLD POLYMER CONGRESS, 17 - 21 July 2016
- XIV. **Olivine Particle Reinforced Polyphenylene Sulfide Matrix Composites**
ŞAHİN A. E. , SINMAZÇELİK T.
6th International Advances in Applied Physics and Materials Science Congress & Exhibition, 1 - 03 June 2016
- XV. **Effects of Terpolymer Addition on The Thermal and Thermomechanical Properties of Poly Phenylene Sulfide**
ÇETİN B., ŞAHİN A. E. , YILMAZ T., SINMAZÇELİK T., CÜRGÜL İ.
6th International Advances in Applied Physics and Materials Science Congress & Exhibition, 1 - 03 June 2016
- XVI. **EXPANDED PERLITE PARTICLE REINFORCED POLYPHENYLENE MATRIX COMPOSITES**
ŞAHİN A. E. , ÇETİN B., SINMAZÇELİK T.
INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 24 - 28 May 2016
- XVII. **Investigation of Thermal Mechanical Properties and Abrasive Wear Behaviour of Pumice Particle Short Carbon Fibre and POSS Reinforced PPS**
YILMAZ S., ŞAHİN A. E. , GÜL O., SINMAZÇELİK T., YILMAZ T.
The International Conference on Engineering and Natural Sciences (ICENS-2016), 24 - 28 May 2016
- XVIII. **Tribological Performance of Short Carbon Fiber and Pumice Particle Reinforced PPS/PA66 Blend**
ŞAHİN A. E. , YILMAZ S., SINMAZÇELİK T., YILMAZ T.
The International Conference on Engineering and Natural Sciences (ICENS), 24 - 28 May 2016
- XIX. **POMZA TOZU VE KARBON ELYAF TAKVİYELİ POLİFENİLEN SÜLFİD PPS KOMPOZİTLERİN ADHEZİF AŞINMA DAVRANIŞININ İNCELENMESİ**

YILMAZ S., ŞAHİN A. E. , YILMAZ T., SINMAZÇELİK T.

ULUSLARARASI KATILIMLI III. EGE KOMPOZİT MALZEMELER SEMPOZYUMU, 5 - 07 November 2015

- XX. **Pomza Tozu ve Karbon Elyaf Takviyeli Polifenilen Sülfid (PPS) Kompozitlerin Adhezif Aşınma Davranışının İncelenmesi**
YILMAZ S., ŞAHİN A. E. , YILMAZ T., SINMAZÇELİK T.
Uluslararası Katılımlı III. Ege Kompozit Malzemeler Sempozyumu, Turkey, 5 - 07 November 2015
- XXI. **Improvement the toughness and crack propagation resistance properties of Poly phenylenesulphide PPS**
ÇETİN B., ŞAHİN A. E. , YILMAZ T., SINMAZÇELİK T., CÜRGÜL İ.
5 th International advances in Applied Physics and materials science Congress & exhibition (APMAS2015), 16 - 19 April 2015
- XXII. **Improvement the Toughness and Crack Propagation Resistance Properties of Poly Phenylene Sulfide**
ÇETİN B., ŞAHİN A. E. , YILMAZ T., SINMAZÇELİK T., CÜRGÜL İ.
5th International Advances in Applied Physics and Materials Science Congress Exhibition, Muğla, Turkey, 16 - 19 April 2015
- XXIII. **Improvement the Toughness and Crack Propagation Resistance Properties of Poly Phenylene Sulfide (PPS)**
ÇETİN B., ŞAHİN A. E. , YILMAZ T., SINMAZÇELİK T., CÜRGÜL İ.
5th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS 2015), 16 - 19 April 2015
- XXIV. **Improvement the Toughness and Crack Propagation Resistance Properties of Poly Phenylene Sulfide**
ÇETİN B., ŞAHİN A. E. , KARSLI YILMAZ N. G. , YILMAZ T., SINMAZÇELİK T., CÜRGÜL İ.
5th International Advances in Applied Physics and Materials Science Congress & Exhibition, 5th International Advances in Applied Physics and Materials Science Congress & Exhibition, 16 - 19 April 2015
- XXV. **Thermomechanical and Solid Particle Erosion Behavior of CaCO₃ and SGF (Short Glass Fibre) Reinforced ABS/PA6 Composites**
ŞAHİN A. E. , YILMAZ S., YILMAZ T., YILDIRAN Y., AVCU E., SINMAZÇELİK T.
4th International Advances in Applied Physics and Materials Science Congress&Exhibition (APMAS 2014), 24 - 27 April 2014
- XXVI. **Pomza tozu takviyeli polifenilen sülfid (PPS) matrisli kompozitlerin katı partikül erozyonu davranışı**
ŞAHİN A. E. , YILDIRAN Y., AVCU E., FİDAN S., SINMAZÇELİK T.
II. Ulusal Ege Kompozit Malzemeler Sempozyumu, Aydın, Turkey, 7 - 09 November 2013
- XXVII. **AŞINDIRICI PARTİKÜL KARIŞIMLARININ CAM KEÇE TAKVİYELİ POLİFENİLEN SÜLFİD MATRİSLİ KOMPOZİTLERİN KATI PARTİKÜL EROZYON DAVRANIŞLARINA ETKİLERİ**
YILDIRAN Y., ŞAHİN A. E. , AVCU E., FİDAN S., SINMAZÇELİK T.
IV. ULUSAL HAVACILIK VE UZAY KONFERANSI, İstanbul, Turkey, 12 - 14 September 2012
- XXVIII. **AŞINDIRICI PARTİKÜL BOYUTU VE PÜSKÜRTME BASINCININ Ti6Al4V ALAŞIMININ KATI PARTİKÜL EROZYONU DAVRANIŞINA ETKİLERİ**
YILDIRAN Y., ŞAHİN A. E. , AVCU E., FİDAN S., SINMAZÇELİK T.
14th International Materials Symposium (IMSP'2012), Denizli, Turkey, 10 - 12 October 2012
- XXIX. **AŞINDIRICI PARTİKÜL KARIŞIMLARININ Ti6Al4V ALAŞIMININ KATI PARTİKÜL EROZYON DAVRANIŞINA ETKİLERİ**
ŞAHİN A. E. , YILDIRAN Y., FİDAN S., AVCU E., SINMAZÇELİK T.
IV. ULUSAL HAVACILIK VE UZAY KONFERANSI, İstanbul, Turkey, 12 - 14 September 2012
- XXX. **Aşındırıcı partikül boyutu, partikül çarpma açısı ve püskürtme basıncının alümina seramik malzemenin katı partikül erozyonu davranışına etkileri**
ŞAHİN A. E. , YILDIRAN Y., AVCU E., FİDAN S., SINMAZÇELİK T., GÜNAY V.
14th International Materials Symposium (IMSP'2012), Denizli, Turkey, 10 - 12 October 2012
- XXXI. **Aşındırıcı partikül karışımlarının cam keçe takviyeli polifenilen sülfid matrisli kompozitlerin katı partikül erozyon davranışlarına etkileri**
YILDIRAN Y., ŞAHİN A. E. , AVCU E., FİDAN S., SINMAZÇELİK T.

IV. Ulusal Havacılık Ve Uzay Konferansı, Turkey, 12 - 14 September 2012

XXXII. **Cam keçe takviyeli polifenilen sülfid matrisli kompozitlerin katı partikül erozyon davranışları partikül çarpma açısının ve hızının etkileri**

AVCU E., ŞAHİN A. E. , FİDAN S., SINMAZÇELİK T., Taşkıran İ., BORA M. Ö. , ÇOBAN O.

I. Ulusal Ege Kompozit Malzemeler Sempozyumu, Turkey, 17 - 19 November 2011

Supported Projects

ŞAHİN A. E. , Project Supported by Higher Education Institutions, 3D yazıcı ile Partikül Takviyeli Kompozit Üretimi ve Karakterizasyonu, 2020 - Continues

Activities in Scientific Journals

Kocaeli Journal of Science and Engineering, Committee Member, 2019 - Continues

Citations

Total Citations (WOS):24

h-index (WOS):4