

## **Prof. Mehmet GAVGALI**

### **Personal Information**

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### **International Researcher IDs**

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### **Education Information**

Doctorate, Selcuk University, Fen Bilimleri, Makina, Turkey 1999 - 2005

Postgraduate, Selcuk University, Institute Of Science, Turkey 1996 - 1999

Undergraduate, Selcuk University, Faculty Of Engineering, Turkey 1992 - 1996

### **Foreign Languages**

English, B2 Upper Intermediate

### **Research Areas**

Mechanical Engineering, Construction and Manufacturing, Machine Design, Plastic Forming Methods, Metallurgical and Materials Engineering, Material science and engineering, Corrosion and Corrosion Protection, Nanomaterials, Engineering and Technology

### **Academic Titles / Tasks**

Professor, Ataturk University, Mühendislik Fakültesi, 2011 - Continues

Associate Professor, Ataturk University, Mühendislik Fakültesi, 2005 - 2011

Assistant Professor, Ataturk University, Mühendislik Fakültesi, 1995 - 2005

### **Academic and Administrative Experience**

Head of Department, Bayburt University, 2015 - 2016

Dean, Bayburt University, 2013 - 2016

Vice Rector, Erzurum Technical University, 2011 - 2012

Dean, Erzurum Technical University, 2011 - 2012

Director of Vocational School, Bayburt University, 2009 - 2010

Deputy Head of Department, Ataturk University, 2001 - 2003

Deputy Head of Department, Ataturk University, 1998 - 2000

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

- I. **Processing of Ti/(HA+ZrO<sub>2</sub>) biocomposite and 50% porous hybrid scaffolds with low Young's modulus by powder metallurgy: Comparing of structural, mechanical, and corrosion properties**  
Topuz M., DİKİCİ B., GAVGALI M., Kaseem M.  
MATERIALS TODAY COMMUNICATIONS, vol.29, 2021 (SCI-Expanded)
- II. **Titanium-based composite scaffolds reinforced with hydroxyapatite-zirconia: Production, mechanical and in-vitro characterization**  
Topuz M., DİKİCİ B., GAVGALI M.  
Journal of the Mechanical Behavior of Biomedical Materials, vol.118, 2021 (SCI-Expanded)
- III. **Determination of mechanical properties of polymer matrix composites reinforced with electrospinning N66, PAN, PVA and PVC nanofibers: A comparative study**  
USLU E., GAVGALI M., ERDAL M. O., YAZMAN Ş., GEMİ L.  
MATERIALS TODAY COMMUNICATIONS, vol.26, 2021 (SCI-Expanded)
- IV. **Al-5Cu/B4Cp composites: The combined effect of artificially aging (T6) and particle volume fractions on the corrosion behaviour**  
Tozkoparan B., DİKİCİ B., Topuz M., Bedir F., GAVGALI M.  
Advanced Powder Technology, vol.31, no.7, pp.2833-2842, 2020 (SCI-Expanded)
- V. **The effect of high TiC particle content on the tensile cracking and corrosion behavior of Al-5Cu matrix composites**  
DİKİCİ B., BEDİR F., GAVGALI M.  
JOURNAL OF COMPOSITE MATERIALS, vol.54, no.13, pp.1681-1690, 2020 (SCI-Expanded)
- VI. **A novel perspective for Lactobacillus reuteri: Nanoencapsulation to obtain functional fish fillets**  
Ceylan Z., USLU E., Ispirli H., Meral R., GAVGALI M., YILMAZ M. T., DERTLİ E.  
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.115, 2019 (SCI-Expanded)
- VII. **Microstructure and mechanical properties of a novel TiNi particulate reinforced AZ91 metal matrix composite**  
Kelen F., GAVGALI M., Aydoğmuş T.  
MATERIALS LETTERS, vol.233, pp.12-15, 2018 (SCI-Expanded)
- VIII. **The effect of sintering time on synthesis of in situ submicron alpha-Al<sub>2</sub>O<sub>3</sub> particles by the exothermic reactions of CuO particles in molten pure Al**  
Dikici B., GAVGALI M.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.551, pp.101-107, 2013 (SCI-Expanded)
- IX. **The effect of arc current on the corrosion behaviour of coated NiTi alloy on AISI304 by plasma transferred arc process**  
Dikici B., Ozel S., GAVGALI M., Somunkiran I.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.48, no.5, pp.563-567, 2012 (SCI-Expanded)
- X. **Synthesis of in situ TiC nanoparticles in liquid aluminum: the effect of sintering temperature**  
Dikici B., GAVGALI M., Bedir F.  
JOURNAL OF COMPOSITE MATERIALS, vol.45, no.8, pp.895-900, 2011 (SCI-Expanded)
- XI. **The Effect of Electroless Ni Coating of SiC Particles on the Corrosion Behavior of A356 Based Squeeze Cast Composite**  
Dikici B., Tekmen C., GAVGALI M., Cocen U.  
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.57, no.1, pp.11-20, 2011 (SCI-Expanded)
- XII. **The effect of coating thickness on corrosion resistance of hydroxyapatite coated Ti6Al4V and 316L SS implants**  
Aksakal B., GAVGALI M., Dikici B.  
Journal of Materials Engineering and Performance, vol.19, no.6, pp.894-899, 2010 (SCI-Expanded)
- XIII. **Wear behavior of plasma sprayed composite coatings with in situ formed Al<sub>2</sub>O<sub>3</sub>**  
MİNDİVAN H., TEKMEŇ Ç., Dikici B., TSUNEKAWA Y., GAVGALI M.  
MATERIALS & DESIGN, vol.30, no.10, pp.4516-4520, 2009 (SCI-Expanded)
- XIV. **Detrimental effect of particle sol-gel coating on the corrosion behavior of A380-SiC composite**

- Dikici B., Tekmen C., Yigit O., GAVGALI M., Cocen U.  
CORROSION SCIENCE, vol.51, no.3, pp.469-476, 2009 (SCI-Expanded)
- XV. **Corrosion characteristics of Al-Cu/B<sub>4</sub>C (T6) MMCs and their microstructure evaluation**  
Dikici B., Bedir F., GAVGALI M., Kiyak T.  
KOVVOVE MATERIALY-METALLIC MATERIALS, vol.47, no.5, pp.317-323, 2009 (SCI-Expanded)
- XVI. **Corrosion susceptibilities of Al-Cu/TiC MMCs fabricated by conventional hot pressing**  
GAVGALI M., Dikici B., Bedir F.  
Indian Journal of Engineering and Materials Sciences, vol.14, no.4, pp.303-308, 2007 (SCI-Expanded)
- XVII. **Corrosion behavior of an artificially aged (T6) Al-Si-Mg-based metal matrix composite**  
Dikici B., Gavgali M., TEKMEŒ Ç.  
JOURNAL OF COMPOSITE MATERIALS, vol.40, no.14, pp.1259-1269, 2006 (SCI-Expanded)
- XVIII. **The effect of SiCp reinforcement on the corrosion behaviour of Al based metal matrix composites**  
GAVGALI M., DİKİCİ B., TEKMEŒ Ç.  
CORROSION REVIEWS, vol.24, pp.27-37, 2006 (SCI-Expanded)
- XIX. **The effect of SiCp reinforcement on the corrosion behaviour of Al based metal matrix composites**  
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CORROSION REVIEWS, vol.24, pp.27-37, 2006 (SCI-Expanded)
- XX. **The effect of SiCp reinforcement on the corrosion behaviour of Al based metal matrix composites**  
GAVGALI M., DİKİCİ B., Tekmen C.  
Corrosion Reviews, vol.24, pp.27-37, 2006 (SCI-Expanded)
- XXI. **The effect of the microstructural difference between surface and center on the hot workability of AA 6063 homogenized ingot**  
TOTİK Y., GAVGALI M., SADELER R., Kaymaz I.  
JOURNAL OF ADVANCED MATERIALS, vol.36, no.4, pp.53-59, 2004 (SCI-Expanded)
- XXII. **Improvements of fatigue behaviour in 2014 Al alloy by solution heat treating and age-hardening**  
SADELER R., TOTİK Y., GAVGALI M., Kaymaz I.  
MATERIALS & DESIGN, vol.25, no.5, pp.439-445, 2004 (SCI-Expanded)
- XXIII. **The effect of homogenisation treatment on cold deformations of AA 2014 and AA 6063 alloys**  
TOTİK Y., SADELER R., Kaymaz I., GAVGALI M.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.147, no.1, pp.60-64, 2004 (SCI-Expanded)
- XXIV. **The effects of artificial aging on wear properties of AA 6063 alloy**  
GAVGALI M., Totik Y., SADELER R.  
MATERIALS LETTERS, vol.57, pp.3713-3721, 2003 (SCI-Expanded)
- XXV. **The effect of homogenization treatment on the hot workability between the surface and the center of AA 2014 ingots**  
Totik Y., GAVGALI M.  
MATERIALS CHARACTERIZATION, vol.49, no.3, pp.261-268, 2002 (SCI-Expanded)
- XXVI. **The investigation of hot workability of AA 6063/SiC composites with different SiC particulate volume fraction**  
TOTİK Y., SADELER R., GAVGALI M., Kaymaz I.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.10, no.4, pp.279-286, 2002 (SCI-Expanded)
- XXVII. **Corrosion behavior of 90%Cu-10%Ni alloy at different rotation speeds**  
GAVGALI M., Kaymaz I., TOTİK Y., SADELER R.  
CORROSION REVIEWS, vol.20, pp.403-414, 2002 (SCI-Expanded)
- XXVIII. **An investigation of the relationship between heat treatment and microstructure in (TiAlV)N and (TiAl)N ceramic films**  
Totik Y., Efeoglu I., Gavgali M., Sadeler R.  
MATERIALS CHARACTERIZATION, vol.47, no.1, pp.55-60, 2001 (SCI-Expanded)
- XXIX. **Effects of Various Homogenization Treatments on the Hot Workability of Ingot Aluminium Alloy AA2014**  
GAVGALI M., AKSAKAL B.

## Articles Published in Other Journals

- I. **Toz Metalürjisi Yöntemi İle Üretilmiş Magnezyum Matrisli Kompozitlerin Korozyon Duyarlılıkları**  
KELEN F., AYDOĞMUŞ T., GAVGALI M., DİKİCİ B.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.3, pp.914-920, 2019 (Peer-Reviewed Journal)
- II. **A review on the hydrogels used in 3D bio-printing**  
TOPUZ M., DİKİCİ B., GAVGALI M., YILMAZER H.  
International Journal of 3D Printing Technologies and Digital Industry, vol.2, pp.68-75, 2018 (Peer-Reviewed Journal)
- III. **Comparison of Al - Metal Matrix Composites Produced by In Situ Hot Press Method**  
ÖNAL M., GAVGALI M.  
Journal of Scientific and Engineering Research, vol.4, no.6, pp.89-91, 2017 (Peer-Reviewed Journal)
- IV. **Comparison of Al-Metal Matrix Composites Produced By In Situ Hot Press Method**  
ÖNAL M., GAVGALI M.  
Journal of Scientific and Engineering Research, vol.4, pp.89-91, 2017 (Peer-Reviewed Journal)
- V. **Comparison of Al - Metal Matrix Composites Produced by In Situ Hot Press Method**  
ÖNAL M., GAVGALI M.  
Journal of Scientific and Engineering Research, vol.4, no.6, pp.89-91, 2017 (Peer-Reviewed Journal)
- VI. **Production of Metal Matrix Composites by In situ Techniques**  
ÖNAL M., GAVGALI M.  
Journal of Scientific and Engineering Researc, vol.4, no.2, pp.78-82, 2017 (Peer-Reviewed Journal)
- VII. **Production of Metal Matrix Composites by In situ Techniques**  
ÖNAL M., GAVGALI M.  
Journal of Scientific and Engineering Researc, vol.4, no.2, pp.78-82, 2017 (Peer-Reviewed Journal)
- VIII. **Prediction of corrosion behaviour of particulate reinforced metal matrix composites by adaptive neuro-fuzzy inference system (ANFIS)**  
TUNTAŞ R., DİKİCİ B., GAVGALI M.  
Korozyon, vol.22, pp.43-46, 2016 (Peer-Reviewed Journal)
- IX. **Synthesis of Ceramic Particles Al<sub>2</sub>O<sub>3</sub> and TiB<sub>2</sub> in Aluminum Matrix**  
ÖNAL M., GAVGALI M.  
İğdır Üni. Fen Bilimleri Enst. Der., vol.6, pp.75-82, 2016 (Peer-Reviewed Journal)
- X. **Prediction Corrosion Behaviour of Particulated Metal Matrix composite by Adaptive Nero Fuzzy İnference Siystem ANFİS**  
TUNTAŞ R., DİKİCİ B., GAVGALI M.  
Korozyon, vol.22, pp.43-46, 2016 (Peer-Reviewed Journal)
- XI. **İN SİTÜ ALÜMİNYUM METAL MATRİSLİ KOMPOZİTLER ve SICAK PRESLEME ile ÜRETİMLERİ**  
ÖNAL M., GAVGALI M.  
Ordu Üniversitesi, Bilim ve Teknoloji Dergisi, vol.5, pp.63-73, 2015 (Peer-Reviewed Journal)
- XII. **%40 TiC ve SiC partikül katkılı metal matrisli kompozitlerin potansiyodinamik ve EIS analizleri**  
DİKİCİ B., BEDİR F., ALTUN H., GAVGALI M.  
Mühendis ve Makina, vol.50, no.595, pp.18-24, 2009 (Peer-Reviewed Journal)
- XIII. **40 TiC ve SiC partikül katkılı metal matrisli kompozitlerin potansiyodinamik ve EIS analizleri**  
DİKİCİ B., BEDİR F., ALTUN H., GAVGALI M.  
Mühendis ve Makina (Engineer the Machinery Magazine), 2009 (Peer-Reviewed Journal)
- XIV. **SEM observations on the porosity activities during corrosion of Al-Si-Mg/SiCp metal matrix composites**  
DİKİCİ B., KIYAK T., TEKMEŇ Ç., GAVGALI M.

Materials Science: An Indian Journal, 2007 (Peer-Reviewed Journal)

- XV. **The effect of cold-worked ratio on corrosion behavior of T8 tempered Al-Si-Mg/SiCp metal matrix composites**  
Dikici B., Tekmen C., GAVGALI M., Tsunekawa Y.  
ICCM International Conferences on Composite Materials, 2007 (Scopus)
- XVI. **İyon nitrürleme işleminin AISI 5140 çeliğinin burulma özellikleri üzerine etkisi**  
GAVGALI M., ÇELİK A., ALSARAN A., TOTİK Y.  
Mühendis ve Makina, vol.43, no.507, pp.45-49, 2002 (Peer-Reviewed Journal)
- XVII. **İyon Nitrürleme İşleminin AISI 5140 Çeliğinin Burulma Özelliklerine Etkisi Üzerine Bir Çalışma**  
GAVGALI M., ÇELİK A., ALSARAN A., TOTİK Y.  
Mühendis ve Makina, vol.43, no.507, pp.45-49, 2002 (Peer-Reviewed Journal)
- XVIII. **Hot worability of 5052 alüminium alloys**  
GAVGALI M., TOTİK Y.  
j. of The Mechanical Behaviour of Materials, vol.12, pp.187-195, 2001 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **İş Makinaları**  
GAVGALI M.  
in: Makine ve Teçhizat, Kadir Bilen, Editor, ATAAÖF, Erzurum, pp.1-24, 2017
- II. **Taşıma Tekniği**  
GAVGALI M.  
in: Makine Teçhizat, Kadir Bilen, Editor, ATAAOF, Erzurum, pp.1-22, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Al-5Cu/B4Cp Hot-Pressed Composites: The Effect of Particle Volume Fraction on Microstructure and Corrosion Behavior**  
DİKİCİ B., TOZKOPARAN B., TOPUZ M., BEDİR F., GAVGALI M.  
X International Symposium on Materials (MATERIAIS 2019), Lizbon, Portugal, 14 - 17 April 2019, pp.129
- II. **SICAK PRESLEME YÖNTEMİ İLE ÜRETİLMİŞ AZ91/TiNi KOMPOZİTLERİNİN MİKROYAPISI**  
AYDOĞMUŞ T., KELEN F., GAVGALI M.  
1st INTERNATIONAL SYMPOSIUM ON LIGTH ALLOYS AND COMPOSİTE MATERIALS (ISLAC'xx18), Karabük, Turkey, 22 - 24 March 2018, pp.290-291
- III. **TiNi İLE TAKVİYE EDİLMİŞ Mg MATRİSLİ KOMPOZİTLERİN SICAK PRESLEME YÖNTEMİ İLE ÜRETİLMESİ**  
KELEN F., AYDOĞMUŞ T., GAVGALI M.  
1st INTERNATIONAL SYMPOSIUM ON LIGTH ALLOYS AND COMPOSİTE MATERIALS (ISLAC'xx18), 22 - 24 March 2018, pp.288-289
- IV. **Production of Aluminum Composites Containing TiB2 and Al2O3 Particles**  
ÖNAL M., GAVGALI M.  
4th International Conference on Natural and Engineering Science, Muğla, Turkey, 9 - 12 October 2018, pp.44
- V. **TiNi İLE TAKVİYE EDİLMİŞ AZ91D MATRİSLİ KOMPOZİTLERİN KOROZYON DAVRANIŞI**  
KELEN F., AYDOĞMUŞ T., GAVGALI M., DİKİCİ B.  
15th INTERNATIONAL CORROSION SYMPOSIUM (KORSEM'xx18), 26 - 28 September 2018
- VI. **Mg/NiTi METAL MATRİSLİ KOMPOZİTLERİN KOROZYON DUYARLILIKLARI**  
KELEN F., AYDOĞMUŞ T., GAVGALI M., DİKİCİ B.  
15th INTERNATIONAL CORROSION SYMPOSIUM (KORSEM'xx18), 26 - 28 September 2018
- VII. **Mg/NiTi metal matrisli kompozitlerin korozyon duyarlılıkları**

- KELEN F., AYDOĞMUŞ T., GAVGALI M., DİKİCİ B.  
XVth International Corrosion Symposium, Hatay, Turkey, 26 - 28 September 2018, pp.19
- VIII. **Mg/NiTi metal matrisli kompozitlerin korozyon duyarlılıkları**  
KELEN F., AYDOĞMUŞ T., GAVGALI M., DİKİCİ B.  
XVth International Corrosion Symposium, Hatay, Turkey, 26 - 28 September 2018, pp.19
- IX. **TiNi İLE TAKVİYE EDİLMİŞ MAGNEZYUM MATRİSLİ KOMPOZİTLERİN YÜKSEK SICAKLIK MEKANİK ÖZELLİKLERİ**  
KELEN F., AYDOĞMUŞ T., GAVGALI M.  
3. INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE AND TECHNOLOGY IN CAPPADOCIA (IMSTEC 2018), 17 - 19 September 2018
- X. **TOZ METALÜRJİSİ YÖNTEMİ İLE ÜRETİLMİŞ TiNi/AZ91D KOMPOZİTLERİNİN ODA SICAKLIĞI VE YÜKSEK SICAKLIK MUKAVEMETLERİ**  
AYDOĞMUŞ T., KELEN F., GAVGALI M.  
3. INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE AND TECHNOLOGY IN CAPPADOCIA (IMSTEC 2018), 17 - 19 September 2018
- XI. **Renewed Furnace Design for Increasing Heating Rate in Aluminum Matrix Composite Production**  
ÖNAL M., GAVGALI M.  
International Symposium on Innovative Approaches in Scientific Studie, Antalya, Turkey, 11 - 13 April 2018, pp.189
- XII. **Effect of Cooling Rate Applied to Aluminum Composites on Hardness and Wear Resistance**  
ÖNAL M., GAVGALI M.  
International Symposium on Innovative Approaches in Scientific Studies, Antalya, Turkey, 11 - 13 April 2018, pp.475
- XIII. **A Review on The Hydrogels Used in 3D Bioprinting**  
TOPUZ M., DİKİCİ B., GAVGALI M., YILMAZER H.  
3rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018, pp.135-138
- XIV. **TiNi ŞEKİL BELLEKLİ ALAŞIMLARLA TAKVİYE EDİLMİŞ MAGNEZYUM BAZLI KOMPOZİTLERDE FAZ DÖNÜŞÜMLERİ**  
KELEN F., AYDOĞMUŞ T., GAVGALI M.  
THE INTERNATİONAL CONFERENCE ON MATERIALS SCİENCE, MECHANİCAL AND AUTOMOTİVE ENİNEERİNGS AND TECHNOLOGY IN ÇEŞME/İZMİR (IMSMATEC'18), 10 - 12 April 2018
- XV. **Alüminyum Kompozit Malzemelerin Otomobil Parçalarında Kullanımı**  
ÖNAL M., GAVGALI M.  
International Vocational Science Symposium, Antalya, Turkey, 18 - 20 October 2017, pp.105
- XVI. **Determination of Epoxy Resin's Mechanical Properties Reinforced with Nanofibers Obtained from PVP Polymer by Electrospinning Method**  
USLU E., GAVGALI M., ERDAL M. O., YAZMAN Ş.  
II. International Conference on Advanced Engineering Technologies - ICADET 2017, Bayburt, Turkey, 21 - 23 September 2017, pp.1442
- XVII. **The effect of corrosion on the microstructure of the Al-5Cu matrix composites reinforced with TiC particles**  
DİKİCİ B., BEDİR F., GAVGALI M.  
European Congress and Exhibition on Advanced Materials and Processes (EUROMAT2017), Thessaloniki, Greece, 17 - 22 September 2017
- XVIII. **Al-Cu Metal Matrisli Kompozitlerin Korozyon Davranışı Üzerine B4C Partikül Hacim Oranı ve Yaşlandırma İşleminin Birleşik Etkisi**  
TOZKOPARAN B., DİKİCİ B., BEDİR F., TOPUZ M., GAVGALI M.  
2.Uluslararası Savunma Sanayi Sempozyumu, Kırıkkale, Turkey, 6 - 08 April 2017, pp.237-244
- XIX. **Production of Aluminum Metal Matrix Composites with Al2O3 and TiC**  
ÖNAL M., GAVGALI M.  
3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING

(ICCESEN-2016), Antalya, Turkey, 19 - 24 October 2016, pp.478

- XX. **Production of Aluminum Metal Matrix Composites with Al<sub>2</sub>O<sub>3</sub> and TiC**  
ÖNAL M., GAVGALI M.  
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- XXI. **Synthesis of and Al<sub>2</sub>O<sub>3</sub> and TiB<sub>2</sub> Ceramic Particles in Aluminum Matrix**  
ÖNAL M., GAVGALI M.  
International Conference on Computational and Experimental Science and Engineering (ICCESEN 2016), Antalya, Turkey, 19 - 24 October 2016, pp.462
- XXII. **Prediction of Corrosion Behaviour of Particulate Reinforced Metal Matrix Composites by Adaptive Neuro Fuzzy Inference System ANFIS**  
TUNTAŞ R., DİKİCİ B., GAVGALI M.  
XIV. International Corrosion Symposium (KORSEM'16), Bayburt, Turkey, 5 - 07 October 2016, pp.521-525
- XXIII. **The Investigation Of Corrosion Behavior Of Az91 Magnesium Coated With Micro Arc Oxidation Mao Method**  
Yuca M., ŞÜKÜROĞLU E. E., GAVGALI M., GAVGALI E., ŞÜKÜROĞLU S., TOTİK Y., ARSLAN E.  
ICMCTF 2016, 25 - 28 April 2016
- XXIV. **MAGNEZYUM VE ALAŞIMLARININ YÜKSEK SICAKLIK DAYANIMLARINI GELİŞTİRMEDEŞEKİL BELLEKLİ MALZEMELERİN KULLANIMI**  
KELEN F., AYDOĞMUŞ T., GAVGALI M.  
International Conference on Material Science and Technology in Cappadocia (IMSTEC'16), April 6-8, 2016, Nevşehir, Turkey, 6 - 08 April 2016, pp.538-543
- XXV. **IN SITU ALÜMİNYUM MATRİSLİ KOMPOZİTLERİN FARKLI PARAMETRELERLE ÜRETİMİ**  
ÖNAL M., GAVGALI M.  
International Conference on Material Science and Technology in Cappadocia (IMSTEC'16), Nevşehir, Turkey, 6 - 08 April 2016, pp.177-182
- XXVI. **YÜKSEK TAKVİYE ORANINA SAHİP Al Cu B<sub>4</sub>C METAL MATRİSLİ KOMPOZİTLERİN ÜRETİMİ VE KOROZYON DAVRANIŞI**  
TOZKOPARAN B., TOPUZ M., DİKİCİ B., BEDİR F., GAVGALI M.  
MÜHENDİSLİKTE YENİ TEKNOLOJİLER 15, Bayburt, Turkey, 22 - 24 October 2015, pp.50
- XXVII. **Production of Metal Matrix Composites by In situ Techniques**  
ÖNAL M., GAVGALI M.  
2nd Global Conference on Materials Sciences, Nicosia, 15 - 17 October 2015
- XXVIII. **Deney Parametrelerinin Alüminyum Metal Matrisli Kompozitlerin Üretimi Üzerine Etkileri**  
ÖNAL M., GAVGALI M.  
IMCOFE'15 : International Multidisciplinary Congree of Eurasia, ÜSKÜP, 1 - 05 September 2015, pp.256-261
- XXIX. **Production, characterization, and mechanical behavior of Al based metal matrix composites incorporating TiC particles**  
DİKİCİ B., BEDİR F., GAVGALI M.  
17th International Conference on the Strength of Materials (ICSMA-17), Brno, Czech Republic, 9 - 14 August 2015, pp.43
- XXX. **Production characterization and mechanical behavior of Al based metal matrix composites incorporating TiC particles**  
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- XXXI. **In-Situ Al/TiC Nanocomposites: The Effect of Sintering Temperature on the Corrosion Behavior**  
DİKİCİ B., GAVGALI M., BEDİR F., K T.  
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- XXXII. **In-Situ Al/TiC Nanocomposites: The Effect of Sintering Temperature on the Corrosion Behavior**  
DİKİCİ B., GAVGALI M., BEDİR F., K T.  
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