

Prof. ŞEMSETTİN TEMİZ

Personal Information

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, Turkey 1998 - 2003

Post Graduate, Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, Turkey 1995 - 1998

Under Graduate, Firat University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 1990 - 1994

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Occupational Health and Safety, C SINIFI İŞ GÜVENLİĞİ SERTİFİKASI, ÖZEL, 2014

Dissertations

Doctorate, Yapıştırma Bağlantılarının mekanik Özellikleri Üzerine Çevresel Faktörlerin Etkisinin İncelenmesi., Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, 2003

Post Graduate, Kompozit Plaklarda Sonlu eleman Yöntemi İle Gerilme Analizi, Ataturk University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, 1998

Research Areas

Mechanical Engineering, Construction and Manufacturing, Machine Elements, Mechanical, Solid Mechanics, Finite Element Methods, Mechanical Testing, Metallurgical and Materials Engineering, Material science and engineering, Mechanical Properties, Adhesion and Adhesives, Engineering and Technology

Academic Titles / Tasks

Professor, Inonu University, Mühendislik Fakültesi, Makine Mühendisliği, 2016 - Continues

Professor, Batman University, Mühendislik Fakültesi, Makine Mühendisliği, 2013 - 2016

Associate Professor, Batman University, Mühendislik Fakültesi, Makine Mühendisliği, 2012 - 2013

Associate Professor, Inonu University, Mühendislik Fakültesi, Makine Mühendisliği, 2011 - 2012

Associate Professor, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2008 - 2011

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2004 - 2008

Research Assistant PhD, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2003 - 2004

Research Assistant, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 1995 - 2003

Professional Experience

Head of Department, Inonu University, 2016 - Continues

Head of Department, Inonu University, 2011 - Continues

Vice Dean, Batman University, 2012 - 2016

Advising Theses

TEMİZ Ş., Kayısı çekirdeği ve kabuklu meyvelerin kompozit malzemelerde kullanımı / The use of apricot seeds and shell fruits in composite materials, Post Graduate, H.Taner(Student), 2019

TEMİZ Ş., TIG, MIG ve FSW yöntemleri kullanılarak birleştirilen AA7075/AA5182 kaynaklı bağlantıların mikroyapı ve mekanik özelliklerinin belirlenmesi, Doctorate, E.ÇETKİN(Student), 2018

TEMİZ Ş., Tek tesirli yapıştırma bağlantılarında epoksi yapıştırıcı içerisinde nanopartikül kullanılmasının bağlantının statik ve yorulma mukavemetine etkisinin araştırılması, Doctorate, İ.SARAÇ(Student), 2018

TEMİZ Ş., Tek bindirmeli yapıştırma bağlantılarının üç boyutlu gerilme analizi, Post Graduate, M.Emin(Student), 2015

TEMİZ Ş., İç basınca maruz tabakalı kompozit boruların farklı birleştirme yöntemleri ile yapıştırılması ve gerilme analizi, Doctorate, İ.YASİN(Student), 2014

TEMİZ Ş., Ortası boş ve ara elemanlı çift takviyeli yapıştırma bağlantılarının mekanik özelliklerinin incelenmesi, Doctorate, Ş.ÇİTİL(Student), 2012

TEMİZ Ş., Kaymaya maruz yapıştırıcıların mekanik özelliklerinin belirlenmesi, Post Graduate, S.AKPINAR(Student), 2008

Jury Memberships

Associate Professor Exam, DOÇENTLİK, ÜAK, March, 2017

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

- I. **Effect of welding parameters on microstructure and mechanical properties of AA7075/AA5182 alloys joined by TIG and MIG welding methods**
Cetkin E., Celik Y. H. , TEMİZ Ş.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.42, 2020 (Journal Indexed in SCI)
- II. **Investigation of the effect of use of Nano-Al₂O₃, Nano-TiO₂ and Nano-SiO₂ powders on strength of single lap joints bonded with epoxy adhesive**
Sarac I., ADİN H., TEMİZ Ş.
COMPOSITES PART B-ENGINEERING, vol.166, pp.472-482, 2019 (Journal Indexed in SCI)
- III. **Microstructure and mechanical properties of AA7075/AA5182 jointed by FSW**
Cetkin E., Celik Y. H. , TEMİZ Ş.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.268, pp.107-116, 2019 (Journal Indexed in SCI)
- IV. **Experimental determination of the static and fatigue strength of the adhesive joints bonded by epoxy adhesive including different particles**
Sarac I., ADİN H., TEMİZ Ş.
COMPOSITES PART B-ENGINEERING, vol.155, pp.92-103, 2018 (Journal Indexed in SCI)
- V. **Repair of an aluminum plate with an elliptical hole using a composite patch**
Ergun R. K. , ADİN H., Sisman A., TEMİZ Ş.
MATERIALS TESTING, vol.60, pp.1104-1110, 2018 (Journal Indexed in SCI)
- VI. **Failure and stress analysis of internal pressurized composite pipes joined with sleeves**
SÜLÜ İ. Y. , TEMİZ Ş.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.32, pp.816-832, 2018 (Journal Indexed in SCI)
- VII. **A new approach to the production of partially graded and laminated composite material composed**

of SiC-reinforced 7039 Al alloy plates at different rates

Avci U., TEMİZ Ş.

COMPOSITES PART B-ENGINEERING, vol.131, pp.76-81, 2017 (Journal Indexed in SCI)

VIII. A study on the strength of adhesively bonded joints with different adherends

Ozel A., Yazici B., Akpınar S., Aydın M. D. , Temiz S.

COMPOSITES PART B-ENGINEERING, vol.62, pp.167-174, 2014 (Journal Indexed in SCI)

IX. Experimental and Numerical Strength Analysis of Double Lap Joints Subjected to Tensile Loads

Adin H., Temiz S.

MATERIALS TESTING, vol.56, pp.160-168, 2014 (Journal Indexed in SCI)

X. 3-D non-linear stress analysis on the adhesively bonded T-joints with embedded supports

Akpınar S., Aydın M. D. , Temiz S., Ozel A.

COMPOSITES PART B-ENGINEERING, vol.53, pp.314-323, 2013 (Journal Indexed in SCI)

XI. Increasing single-lap joint strength by adherend curvature-induced residual stresses

Temiz S., Akpınar S., AYDIN M., Sancaktar E.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.27, pp.244-251, 2013 (Journal Indexed in SCI)

XII. Effect of protrusion at the ends of bondline in single lap joints under tension and bending

Akpınar S., TEMİZ Ş., Aydın M. D. , Ozel A.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.26, pp.2591-2602, 2012 (Journal Indexed in SCI)

XIII. Determination of Mechanical Properties of Double-Strap Adhesive Joints with an Embedded Patch

Citil S., Temiz S., ALTUN H., Ozel A.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, pp.2555-2567, 2011 (Journal Indexed in SCI)

XIV. Effect of curing pressure on the strength of adhesively bonded joints

AYDIN M. D. , Temiz S., OEZEL A.

JOURNAL OF ADHESION, vol.83, pp.553-571, 2007 (Journal Indexed in SCI)

XV. Application of bi-adhesive in double-strap joints subjected to bending moment

Temiz S.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.20, pp.1547-1560, 2006 (Journal Indexed in SCI)

XVI. Stress analysis of shrink-fitted joints for various fit forms via finite element method

OZEL A., Temiz S., AYDIN M., SEN S.

MATERIALS & DESIGN, vol.26, pp.281-289, 2005 (Journal Indexed in SCI)

XVII. The effect of adherend thickness on the failure of adhesively-bonded single-lap joints

AYDIN M., OZEL A., Temiz S.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.19, pp.705-718, 2005 (Journal Indexed in SCI)

XVIII. Effect of overlap length on durability of joints bonded with a pressure-sensitive adhesive

OZEL A., Temiz S., AYDIN M.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.19, pp.57-71, 2005 (Journal Indexed in SCI)

XIX. A study on durability of joints bonded with pressure-sensitive adhesives

Temiz S., OZEL A., AYDIN M.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.18, pp.1187-1198, 2004 (Journal Indexed in SCI)

XX. Non-linear stress and failure analyses of adhesively-bonded joints subjected to a bending moment

AYDIN M., OZEL A., Temiz S.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.18, pp.1589-1602, 2004 (Journal Indexed in SCI)

XXI. The effects of overlap length and adherend thickness on the strength of adhesively bonded joints subjected to bending moment

OZEL A., AYDIN M., Temiz S.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.18, pp.313-325, 2004 (Journal Indexed in SCI)

XXII. FE stress analysis of thick composite laminates with a hole in bending

Temiz S., özel A., AYDIN M.

APPLIED COMPOSITE MATERIALS, vol.10, pp.103-117, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Investigation of Ballistic Behavior of Agricultural Waste Doped Hybrid Composite Plates in Vacuum Infusion Method**
Bahçe H. T. , TEMİZ Ş.
El-Cezerî Journal of Science and Engineering, vol.6, pp.881-893, 2019 (Other Refereed National Journals)
- II. **Production Method and Microstructure Investigations of Functionally Graded SiC Reinforced Layered Metal Matrix Composite**
AVCI U., TEMİZ Ş.
International Journal of Mechanical and Production Engineering, 2018 (Refereed Journals of Other Institutions)
- III. **Developer Effects of Pre-Heating Applied to the Al7039 Armor Plates Prior to the Friction Stir Welding**
AVCI U., TEMİZ Ş.
El-Cezerî Fen ve Mühendislik Dergisi, vol.5, pp.773-784, 2018 (Refereed Journals of Other Institutions)
- IV. **Farklı çentik boyutlarına sahip alüminyum levhaların alüminyumyamalarla tamiri**
ÇETKİN E., TEMİZ Ş.
Dicle Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, pp.56-69, 2016 (Other Refereed National Journals)
- V. **Farklı Çentik Geometrisine Sahip Alüminyum Levhaların Alüminyum Yamalarla Tamirinin Araştırılması**
ÇETKİN E., TEMİZ Ş., ERGÜN R. K.
Batman Üniversitesi Yaşam Bilimleri Dergisi, 2016 (Other Refereed National Journals)
- VI. **EXPERIMENTAL DETERMINATION OF THE MECHANICAL PROPERTIES OF ADHESIVE JOINTS BONDED EPOXY ADHESIVE INCLUDED Al2O3 NANOPARTICLE**
Saraç İ., ADİN H., TEMİZ Ş.
European Journal of Technic, vol.6, pp.38-46, 2016 (Refereed Journals of Other Institutions)
- VII. **Layer Effects of Multi-Layered Face to Face Adhesively Bonded Composite Pipes Subjected to Internal Pressure**
SÜLÜ İ. Y. , Temiz Ş., Aydın M. D.
Academic Journal of Science, vol.4, pp.195-202, 2015 (International Refereed University Journal)
- VIII. **Stress analyses of multi-layered composite pipes subjected to internal pressure**
SÜLÜ İ. Y. , Temiz Ş.
Academic Journal of Science, vol.4, pp.187-194, 2015 (International Refereed University Journal)
- IX. **Çekmeye maruz ara parçalı çift takviyeli yapıştırma bağlantılarında gerilme analizi**
AYAZ Y., ÇİTİL Ş., TEMİZ Ş.
Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, vol.17, 2014 (Other Refereed National Journals)
- X. **Çekmeye maruz ara parçalı çift takviyeli yapıştırma bağlantılarında gerilme analizi**
AYAZ Y., CİTİL S., TEMİZ Ş.
Kahramanmaraş Sutcu Imam University Journal of Engineering Sciences, vol.17, pp.49-59, 2014 (National Refreed University Journal)
- XI. **ÇİFT TAKVİYELİ YAMALARI GÖMÜLÜ YAPIŞTIRMA BAĞLANTILARININ EĞİLME ALTINDA ANALİZİ**
AYAZ Y., TEMİZ Ş.
Erzincan University Journal of Science and Technology, vol.5, pp.165-172, 2012 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **CHARACTERIZATION OF INTERNAL PRESSURIZED CARBON FIBER PIPES JOINTED WITH NON-EMBEDDED ADHESIVE SLEEVES TUBULAR JOINT**
SÜLÜ İ. Y. , TEMİZ Ş.

MAS 13th INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL MEDICAL SCIENCES, Faryab, Afghanistan, 23 - 25 October 2020

- II. **EPOKSİ REÇİNEDE PARTİKÜL TAKVİYE ORANININ VİSKOZİTE VE SICAKLIK DEĞİŞİMİNE ETKİSİNİN ARAŞTIRILMASI**
ERDOĞDU Y. E. , KORKMAZ E. E. , ÖNAL T. , ÖNAL Y. , TEMİZ Ş.
1. ULUSLARARASI BATTALGAZİ MULTİ DİSİPLİNER ÇALIŞMALAR KONGRESİ, Malatya, Turkey, 7 - 09 December 2018, vol.1, pp.891-897
- III. **Kompozit Yama ile Tamir Edilmiş Eliptik Delikli Alüminyum Levhalarda Çekme Mukavemetinin Deneysel ve Nümerik Araştırılması**
ERGÜN R. K. , ADIN H. , ŞİŞMAN A. , TEMİZ Ş.
1st INTERNATIONAL ENGINEERING AND TECHNOLOGY SYMPOSIUM, 3 - 05 May 2018, pp.181-186
- IV. **Tek Tesirli Yapıştırma Bağlantılarında Epoksi Yapıştırıcı İçerisine Nano-Al₂O₃ Takviyesinin Bağlantının Statik ve Yorulma Mukavemetine Etkisinin Deneysel Olarak Araştırılması**
SARAÇ İ. , ADIN H. , TEMİZ Ş.
1st INTERNATIONAL ENGINEERING AND TECHNOLOGY SYMPOSIUM (1st IETS), 3 - 05 May 2018, pp.1239-1246
- V. **AA5182/AA7075 alüminyum alaşımlarının TIG kaynağında kaynak akımının mekanik özellikler üzerine etkisi**
ÇETKİN E. , ÇELİK Y. H. , TEMİZ Ş.
IETS 2018, 3 - 05 May 2018, pp.936-940
- VI. **Conversion of Al 7039 Armor Material to Functionally Graded Metal Matrix Composite and Investigation of Mechanical Properties**
AVCI U. , TEMİZ Ş.
International Engineering and Technology Symposium (IETS 2018), 3 May - 05 December 2018
- VII. **Determination of Remanufacturing Parameters of Al7039 Armor Alloy**
AVCI U. , TEMİZ Ş.
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB 2018), 21 - 22 June 2018
- VIII. **Al₂O₃ Takviyeli 7XXX Serisi Alüminyum Matrisli Kompozit Levha Üretim Aşamaları ve Mikroyapı İncelemeleri**
AVCI U. , TEMİZ Ş.
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB 2018), 21 - 22 June 2018
- IX. **EFFECT ON MICROSTRUCTURE AND MICROHARDNESS PROPERTIES OF HEAT DISTRIBUTION DURING FRICTION STIR WELDING OF 7039 AL ALLOY**
AVCI U. , TEMİZ Ş.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), October 11-13, 2017, Nevşehir, Turkey, 11 - 13 October 2017
- X. **EFFECT OF NANOCOMPOSITE POWDERS ON THE STRENGTH OF JOINTS BONDED WITH EPOXY ADHESIVE INCLUDED VARIED PROPORTIONS**
SARAÇ İ. , TEMİZ Ş.
Proceedings of 130th The IIER International Conference, Saint Petersburg, Russia, 8th-9th October 2017, 8 - 10 October 2017
- XI. **BURST FAILURE AND STRESS ANALYSES OF MULTI LAYERED COMPOSITE PIPES JOINTED WITH TUBULAR SINGLE LAP JOINTS SUBJECT TO INTERNAL PRESSURE**
SÜLÜ İ. Y. , TEMİZ Ş.
International Engineering, Science and Education Conference, 1 - 03 December 2016
- XII. **NUMERICAL ANALYSES OF COMPOSITE PIPES JOINTED WITH DIFFERENT ORIENTATION ANGLES USING PATCHES SUBJECT TO INTERNAL PRESSURE**
SÜLÜ İ. Y. , TEMİZ Ş.
International Engineering, Science and Education Conference, 1 - 03 December 2016
- XIII. **Numerical analyses of composite pipes jointed with different orientation angles using patches subject to internal pressure**
SÜLÜ İ. Y. , TEMİZ Ş.

International Engineering, Science and Education Conference,, Diyarbakır, Turkey, 1 - 03 December 2016, pp.1208-1219

- XIV. **Burst failure and stress analyses of multi-layered composite pipes jointed with tubular single-lap joint subject to internal pressure**
SÜLÜ İ. Y. , Temiz Ş.
International Engineering, Science and Education Conference,, Diyarbakır, Turkey, 1 - 03 December 2016, pp.1220-1230
- XV. **Repair of Aluminum Plates Which Has Different Sizes Notch with Composite Patch**
ÇETKİN E., TEMİZ Ş.
International Conference on Natural Science and Engineering(ICNASE'16), 19 - 20 March 2016
- XVI. **Investigation of the Effects of Patch Size for Aluminum Plates with Elliptical Hole Repaired by Composite Patch**
ERGÜN R. K. , ŞİŞMAN A., TEMİZ Ş., ADİN H.
International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19 - 20 March 2016, pp.997-1007
- XVII. **Stress Analyses of Multi-Layered Composite Pipes Subjected to Internal Pressure**
SÜLÜ İ. Y. , Temiz Ş.
International Journal of Arts and Sciences, Roma, Italy, 19 - 22 October 2015, pp.187-193
- XVIII. **Layer effects of multi-layered composite pipes adhesively bonded to face to face subject to internal pressure**
SÜLÜ İ. Y. , Temiz Ş., Aydın M. D.
International Journal of Arts and Sciences, Roma, Italy, 19 - 22 October 2015, pp.195-202
- XIX. **Repair Of Small Damages In Pipes With Adhesive Joints**
AYAZ Y., ÇİTİL Ş., TEMİZ Ş.
8th International Conference On Advanced Computational Engineering And Experiment(ACEX 2014) Paris, Paris, France, 30 June - 03 July 2014
- XX. **Investigating Mechanical Properties Of Patch- Adhesive Connections In Repair Of Damaged Pipes Subjected To Internal Pressure**
Çitil Ş., AYAZ Y., TEMİZ Ş.
8th International Conference On Advanced Computational Engineering And Experiment(ACEX 2014), Paris, France, 30 June - 03 July 2014
- XXI. **Investigating Mechanical Properties Of Patch- Adhesive Connections In Repair Of Damaged Pipes Subjected To Internal Pressure**
Çitil Ş., AYAZ Y., TEMİZ Ş.
8th International Conference On Advanced Computational Engineering And Experiment(ACEX 2014), Paris, France, 30 June - 03 July 2014
- XXII. **Repair Of Small Damages In Pipes With Adhesive Joints**
AYAZ Y., Çitil Ş., TEMİZ Ş.
8th International Conference On Advanced Computational Engineering And Experiment(ACEX 2014), Paris, France, 30 June - 03 July 2014
- XXIII. **Stress analysis in double-strap adhesive joints with an embedded patch and having an intermediate part under axial loading**
ÇİTİL Ş., AYAZ Y., TEMİZ Ş.
2'nd International Conference on Adhesive Bonding, Porto, Portugal, 4 - 05 July 2013
- XXIV. **Stress analysis in double-strap adhesive joints with an embedded patch and having an intermediate part under axial loading**
Çitil Ş., AYAZ Y., TEMİZ Ş.
2'nd International Conference on Adhesive Bonding, Porto, Portugal, 5 - 04 July 2013
- XXV. **Application Of Embedded Patch In Double-Strap Adhesive Joint Under Bending**
AYAZ Y., TEMİZ Ş.
Word Research & Innovation Convention on Engineering & Technology, Selangor, Malaysia, 3 - 05 December 2012,

pp.388-398

XXVI. Application Of Embedded Patch In Double-Strap Adhesive Joint Under Bending

AYAZ Y, TEMİZ Ş.

World Research Innovation Convention on Engineering Technology 2012, Selangor, Malaysia, 3-5 December 2012,
Selangor, Malaysia, 1 - 02 December 2012

Citations

Total Citations (WOS):318

h-index (WOS):9