

Assoc. Prof. GARİP GENÇ

Personal Information

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Mekatronik Mühendisliği, Göztepe Kampüsü, Kadıköy, İstanbul,
Türkiye



Biography

Garip Genç, 1977 yılında Hatay'da doğdu. Lisans eğitimini 2001 yılında Marmara Üniversitesi, Teknik Eğitim Fakültesi, Talaşlı Üretim Öğretmenliğinde tamamladı. Yüksek Lisans ve Doktora derecelerini Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Makine Eğitiminde sırasıyla 2004 ve 2008 yıllarında tamamladı. 2010-2011 yılları arasında Bourgogne Üniversitesi'nde (Fransa) Doktora Sonrası Araştırmacı olarak görev yaptı. 2018 yılı itibarıyla Makine Mühendisliği alanında Doçentlik ünvanını almıştır.

Halen Marmara Üniversitesi, Mekatronik Mühendisliği bölümünde tam zamanlı görev yapmaktadır.

Araştırma alanları: Kimyasal lif takviyeli kompozit malzemeler ve bitkisel lif takviyeli biyo-kompozit malzemeler ile ilgilenmektedir.

Uzmanlık alanları: 1. Kompozit malzemelerin tasarımı, üretimi ve modellenmesi 2. Sonlu Elemanlar Analizi 3. Bilgisayar Destekli Tasarım 4. Talaşlı imalat alanları ile çalışmalara katılmaktadır.

Education Information

Post Doctorate, Universite de Bourgogne, Higher Institute of Automobile and Transport (ISAT), Acoustic and Vibration, France 2010 - 2011

Doctorate, Marmara University, Faculty of Technical Education, Machine Education, Turkey 2004 - 2008

Post Graduate, Marmara University, Faculty of Technical Education, Machine Education, Turkey 2001 - 2004

Under Graduate, Marmara University, Faculty of Technical Education, Machine Education, Turkey 1998 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Elyaf sarma yöntemiyle üretilen karbon elyaf kompozitlerde ön gerilme parametrelerinin elyaf ve kompozit mukavemetine etkisi, Marmara Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 2008

Post Graduate, Bilgisayar Destekli Tasarım ve Üretim, Marmara Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi

Bölümü, 2004

Research Areas

Mechanical Engineering, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Technology, Mechatronic Engineering, 2018 - Continues
Assistant Professor, Marmara University, Vocational School of Technical Sciences, Mechanical and Metal Technology, 2011 - 2018

Research Assistant, Universite De Bourgogne, The Institute Of Automotive And Transport Engineering (Isat), Vibroacoustic, 2010 - 2011

Research Assistant, Marmara University, Vocational School of Technical Sciences, Mechanical and Metal Technology, 2003 - 2011

Professional Experience

Deputy Head of Department, Marmara University, Faculty Of Technology, Mechatronic Engineering, 2018 - 2020

Head of Department, Marmara University, Vocational School of Technical Sciences, Mechanical and Metal Technology, 2015 - 2018

Assistant Director of Vocational School, Marmara University, Vocational School of Technical Sciences, 2014 - 2015

Courses

MUKAVEMET, Under Graduate, 2018 - 2019

MEKATRONİKTE KOMPOZİT MALZEME UYGULAMALARI, Post Graduate, 2018 - 2019

BİLGİSAYAR DESTEKLİ İMALAT, Under Graduate, 2018 - 2019

TEKNİK RESİM, Under Graduate, 2018 - 2019

Advising Theses

Genç G., Yüce H., Organik Lif Tabanlı Metal Oksit Kaplanmış Biyo-Sensör Geliştirilmesi, Doctorate, G.Konuk(Student), Continues

Genç G., Biyo-Kompozit Malzemelerin Mekanik Özelliklerinin Geliştirilmesi, Post Graduate, Y.Özdemir(Student), 2020

Genç G., Çocukların Mekatronik ve Otomasyon Alanlarında Gelişimi için Modüler Robot Tasarımı ve Uygulaması, Post Graduate, E.Kayaalp(Student), 2020

Genç G., ÇOCUKLARIN MEKATRONİK VE OTOMASYON ALANLARINDA GELİŞİMİ İÇİN MODÜLER ROBOT TASARIMI VE UYGULAMASI, Post Graduate, E.KAYAALP(Student), 2019

Genç G., NI LabVIEW ile optik kağıt okuma uygulamasının geliştirilmesi, Post Graduate, Ü.KICIK(Student), 2018

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

- Improvement of the Mechanical Properties of Plant Fiber-reinforced Composites through Hybridization**
GENÇ G., Ozdemir Y.

JOURNAL OF NATURAL FIBERS, 2020 (Journal Indexed in SCI)

- II. **Luffa/Epoxy Composites: Electrical Properties for PCB Application**
GENÇ G., SARIKAŞ A., KESEN U., AYDIN S.
IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY, vol.10, no.6, pp.933-940, 2020 (Journal Indexed in SCI)
- III. **Investigation of the Acoustic and Mechanical Properties of Homogenous and Hybrid Jute and Luffa Bio Composites**
Saygılı Y., Genç G., Şanlıtürk K. Y., Körük H.
JOURNAL OF NATURAL FIBERS, 2020 (Journal Indexed in SCI)
- IV. **Influence of pretension on mechanical properties of carbon fiber in the filament winding process**
AKKUŞ N., GENÇ G.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.91, pp.3583-3589, 2017 (Journal Indexed in SCI)
- V. **Identification of the Dynamic Characteristics of Luffa Fiber Reinforced Bio-Composite Plates**
GENÇ G., KÖRÜK H.
BIORESOURCES, vol.12, no.3, pp.5358-5368, 2017 (Journal Indexed in SCI)
- VI. **Investigation of the acoustic properties of bio luffa fiber and composite materials**
KÖRÜK H., GENÇ G.
MATERIALS LETTERS, vol.157, pp.166-168, 2015 (Journal Indexed in SCI)
- VII. **Dynamic properties of luffa cylindrica fiber reinforced bio-composite beam**
Genc G.
JOURNAL OF VIBROENGINEERING, vol.17, no.4, pp.1615-1622, 2015 (Journal Indexed in SCI)
- VIII. **Comparison of the mechanical properties of flax and glass fiber composite materials**
Genc G., El Hafidi A., Gning P. B.
JOURNAL OF VIBROENGINEERING, vol.14, no.2, pp.572-581, 2012 (Journal Indexed in SCI)
- IX. **Design, testing, and FEM simulation of interlaced fiber composite structures**
Akkus N., Verchery G., Kawahara M., Genc G.
COMPOSITE STRUCTURES, vol.88, no.4, pp.629-635, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **How Does the Surface Topography of a Green Composite Affect its Printability?**
SÖNMEZ S., GENÇ G., YÜCE H.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.2, pp.55-60, 2019 (Other Refereed National Journals)
- II. **Comparison of Flexural Properties of Luffa and Jute Fibers**
Özdemir Y., GENÇ G.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.2, pp.61-65, 2019 (Other Refereed National Journals)
- III. **Analysis and Design of Hemispherical Pressure Vessel**
Ozkan H. H., Ozhan S., GENÇ G.
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, vol.2, pp.35-45, 2019 (Other Refereed National Journals)
- IV. **Application oriented recycling and machinability of waste bio-composite materials**
GENÇ G., AKKUŞ N.
Turkish Journal of Materials, vol.3, pp.58-60, 2018 (Other Refereed National Journals)
- V. **Control of The Pretension in Filament Winding Process**
Akkuş N., Genç G., Girgin C.
Acta Mechanica Et Automatica, vol.2, pp.75-81, 2008 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. Acoustic and mechanical properties of luffa fiber-reinforced biocomposites

KÖRÜK H., GENÇ G.

in: Mechanical and Physical Testing of Biocomposites, Fibre-Reinforced Composites and Hybrid Composites, Jawaid, Mohammad Thariq, Mohamed Saba, Naheed, Editor, Woodhead Publishing, Amsterdam, pp.325-341, 2019

Refereed Congress / Symposium Publications in Proceedings

I. A Gas Sensor Design and Simulation with ZnO and TiO₂ Sensing Layers

KONUK EGE G., YÜCE H., GENÇ G.

INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGIES, Konya, Turkey, 19 - 21 November 2020, vol.1, pp.240-245

II. DESIGNING OF BIO-COMPOSITE SUPPORTED METAL SURFACE ISOLATED PRINTED CIRCUIT BOARD

Aydın S., Kesen U., Sarıkaş A., Genç G.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia (IMSMATEC 2019), Nevşehir, Turkey, 21 - 23 June 2019

III. Comparison of flexural properties of luffa and jute fibers

GENÇ G., Ozdemir Y.

4th International Conference on Engineering Technology and Applied Sciences (ICETAS), Kiev, Ukraine, 24 - 28 April 2019, vol.1, pp.365-368

IV. Analysis and Design of Hemispherical Pressure Vessel

Ozkan H. H., Ozhan S., GENÇ G.

4th International Conference on Engineering Technology and Applied Sciences (ICETAS), Kiev, Ukraine, 24 - 28 April 2019, vol.1, pp.209-217

V. How effects the surface topography of green composite on printability?

SÖNMEZ S., GENÇ G., YÜCE H.

4th International Conference on Engineering Technology and Applied Sciences (ICETAS), Kiev, Ukraine, 24 - 28 April 2019, vol.1, pp.326-332

VI. Bio-composite materials

GENÇ G.

BIT'xxs 5th Annual World Congress of Smart Materials-2019, Roma, Italy, 5 - 08 March 2019, vol.1, pp.23

VII. Atık Ceviz Kabuğu Takviyeli Biyo-Kompozit Malzemenin Yüzey Topografisinin Baskı Kalitesine Etkisi

SÖNMEZ S., GENÇ G., YÜCE H.

6. Uluslararası Matbaa Teknolojileri Sempozyumu, 1 - 03 November 2018

VIII. Application Oriented Recycling and Machinability of Waste Bio-Composite Materials

GENÇ G., AKKUŞ N.

International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2018), Lviv, Ukraine, 19 - 21 September 2018, vol.1, pp.322-326

IX. Atık Ceviz Kabuğu Takviyeli Kompozit Malzemelerin Baskı Yapılabilirliklerinin İncelenmesi

GENÇ G., SÖNMEZ S.

II. Uluslararası Basım Teknolojileri Sempozyumu, 11 - 12 October 2017

X. An Investigation on Vibrational Analysis of Cantilever Beams Based on Fiber Breaks in Unidirectional Fiber Composites

TOPTAŞ E., ERSOY S., GENÇ G., BOZKURT Y., AKKUŞ N., ERTUĞRUL İ.

International Science and Technology Conference, Berlin, Germany, 17 - 19 July 2017, pp.97-103

XI. HOW THE RESIN IMPREGNATION AFFECTS THE STRENGTH LOSS OF CARBON FIBER IN FILAMENT WINDING PROCESS?

GENÇ G., AKKUŞ N., TOPTAŞ E.

25th Annual International Conference on Composites or Nano Engineering, Roma, Italy, 16 - 22 July 2017, vol.1,

pp.11-12

- XII. **Elyaf Sarma İşleminde Sarım Parametrelerinin Karbon Elyaf Mukavemetine Etkisinin İstatiksel Modellenmesi**
GENÇ G., AKKUŞ N., TOPTAŞ E.
16th International Materials Symposium IMSP'2016, Pamukkale, 12 - 14 October 2016
- XIII. **Elyaf sarma işleminde sarım parametrelerinin karbon elyaf mukavemetine etkisinin istatistiksel modellenmesi**
GENÇ G., AKKUŞ N., TOPTAŞ E.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, vol.1, pp.694-700
- XIV. **On the difficulties in manufacturing of luffa fibers reinforced bio composites and variations in their dynamic properties**
GENÇ G., KÖRÜK H.
The 45th International Congress and Exposition on Noise Control Engineering, INTER-NOISE 2016, Hamburg, Germany, 21 - 24 August 2016, vol.1, pp.1566-1570
- XV. **Investigation of the vibro acoustic behaviors of luffa bio composites and assessment of their use for practical applications**
GENÇ G., KÖRÜK H.
The 23rd International Congress on Sound and Vibration (ICSV23), Athens, Greece, 9 - 14 July 2016, vol.1, pp.1-8
- XVI. **Caliper simulation using computer for vocational and technical education**
GENÇ G., Sezen S., AKKUŞ N., TOPTAŞ E.
ERPA International Congresses on Education (ERPA), Athens, Greece, 4 - 07 June 2015, vol.26
- XVII. **Identification the Young s Modulus of Flax Epoxy Bio Composites Materials by Vibration Method**
GENÇ G., AKKUŞ N., YALÇIN F.
7th International Advanced Technologies Symposium (IATS'13), İstanbul, Turkey, 30 October - 01 November 2013, vol.1, pp.781-785
- XVIII. **The Simulation of the Cutting Tool Chip Interface With Numerical Modelling During Orthogonal Cutting**
AKKUŞ N., GENÇ G., YALÇIN F.
The 15th International Conference on Machine Design and Production, Denizli, Turkey, 19 - 22 June 2012, vol.1, pp.781-785
- XIX. **An Approach for Syllabus of Finite Element Analysis in the International Welding Engineer Education**
AKKUŞ N., TOPTAŞ E., GENÇ G.
International Congress on Advances in Welding Science and Technology for Construction, Energy and Transportation Systems (AWST), Antalya, Turkey, 24 - 27 October 2011, vol.1, pp.71-77
- XX. **Experiments and Finite Element Analysis of Arc Welding Residual Stresses**
AKKUŞ N., GENÇ G., ŞEN S.
International Congress on Advances in Welding Science and Technology for Construction, Energy and Transportation Systems (AWST), Antalya, Turkey, 24 - 26 October 2011, vol.1, pp.118-125
- XXI. **FEM INVESTIGATION OF THE FIBER REINFORCED COMPOSITE PRESSURE VESSEL UNDER IMPACT LOADING**
AKKUŞ N., GENÇ G., TOPTAŞ E.
European Symposium on Pressure Equipment (ESOPE), Paris, France, 28 September - 30 October 2010
- XXII. **Hidrojen Enerjisiyle Çalışan Aracın Tasarımı ve İmalatı**
EGE M., Turpçu M., Çeber A., AKKUŞ N., GENÇ G., TOPTAŞ E.
IV. Ulusal Hidrojen Enerjisi Kongresi ve Sergisi, Kocaeli, Turkey, 15 - 16 October 2009
- XXIII. **Elyaf Sarma İşleminde Kullanılan Sürekli Karbon Elyaf İle Alüminyum Makara Arasındaki Dinamik Sürtünme Katsayısının Teorik Ve Deneysel Olarak Belirlenmesi**
GENÇ G., AKKUŞ N., TOPTAŞ E.
12. Uluslararası Malzeme Sempozyum, Denizli, Turkey, 15 - 17 October 2008, vol.1, pp.425-433
- XXIV. **Şekil Hafızalı Alaşımli Telin Elektrik Akımı Altındaki Davranışının Deneysel İncelemesi**

TOPTAŞ E., AKKUŞ N., GENÇ G.

12. Uluslararası Malzeme Sempozyumu, Denizli, Turkey, 15 - 17 October 2008, vol.1, pp.1157-1164

XXV. Ankastre Kompozit Kirişte Gerilme Şekil Değişirme Kontrolü

AKKUŞ N., GENÇ G.

Uluslararası 1. Mesleki Eğitim Teknolojileri Konferansı, İstanbul, Turkey, 5 - 07 September 2005, vol.2, pp.1209-1214

Edit Congress and Symposium Activities

BIT'xxs 5th Annual World Congress of Smart Materials-2019, Invited Speaker, Rome, Italy, 2019

Citations

Total Citations (WOS):92

h-index (WOS):6

Invited Talks

BIT'xxs 5th Annual World Congress of Smart Materials-2019, Conference, BIT'xxs 5th Annual World Congress of Smart Materials-2019, Turkey, March 2019

Scholarships

Doktora sonrası araştırma (Post Doctoral Research) Bursu, TÜBİTAK, 2010 - 2011

Awards

Genç G., Identification of the Dynamic Characteristics of Luffa Fiber Reinforced Bio-Composite Plates, TÜBİTAK, 2018, Tübitak Yayın Teşvik Ödülü, May 2018

Genç G., Influence of pretension on mechanical properties of carbon fiber in the filament winding process, TÜBİTAK, 2018, Tübitak Yayın Teşvik Ödülü, May 2018

Genç G., Investigation of the acoustic properties of bio luffa fiber and composite materials, TÜBİTAK, 2015, Tübitak Yayın Teşvik Ödülü, May 2018

Genç G., Dynamic properties of luffa cylindrica fiber reinforced bio-composite beam, TÜBİTAK, 2015, Tübitak Yayın Teşvik Ödülü, May 2015

Genç G., Design Testing and FEM Simulation of Interlaced Fiber Composite Structures, 2009, Tübitak Yayın Teşvik Ödülü, May 2009