

Prof. GARİP GENÇ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-6634-2019

ScopusID: 55338947600

Yoksis Researcher ID: 34856

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

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

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

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.

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Elyaf sarma yöntemiyle üretilen karbon elyaf kompozitlerde ön gerilme parametrelerinin elyaf ve kompozit mukavemetine etkisi, Marmara Üniversitesi, Faculty of Technical Education, Machine Education, 2008
Postgraduate, Bilgisayar Destekli Tasarım ve Üretim, Marmara Üniversitesi, Faculty of Technical Education, Machine Education, 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, Marmara University, Vocational School of Technical Sciences, Mechanical and Metal Technology, 2003 - 2018
Research Assistant, Universite de Bourgogne, The Institute Of Automotive And Transport Engineering (Isat), Vibroacoustic, 2010 - 2011

Academic and Administrative Experience

Deputy Head of Department, Marmara University, Faculty of Technology, Mechatronic Engineering, 2018 - 2020
Marmara University, Vocational School of Technical Sciences, Mechanical and Metal Technology, 2015 - 2018
Marmara University, Vocational School of Technical Sciences, 2014 - 2015

Courses

MUKAVEMET, Undergraduate, 2022 - 2023
MEKATRONİKTE KOMPOZİT MALZEME UYGULAMALARI, Postgraduate, 2022 - 2023
BİLGİSAYAR DESTEKLİ İMALAT, Undergraduate, 2022 - 2023
TEKNİK RESİM, Undergraduate, 2022 - 2023
Mekatronikte İleri Mazlemelerin Modellenmesi ve Analizi, Doctorate, 2022 - 2023

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

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

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

Books & Book Chapters

- I. **Jute and luffa fibers: Physical, acoustical, and mechanical properties**
KÖRÜK H., GENÇ G., YÜCE H.
in: Cellulose Fibre Reinforced Composites, R. Arun Ramnath; Mavinkere Rangappa Sanjay; Suchart Siengchin; Vincenzo Fiore, Editor, Elsevier Ltd., Woodhead Publishing, New York, pp.357-378, 2023
- II. **Effects of machining on the acoustic and mechanical properties of jute and luffa biocomposites**
GENÇ G., KÖRÜK H.
in: Cellulose Fibre Reinforced Composites: Interface Engineering, Processing and Performance, R. Arun Ramnath; Mavinkere Rangappa Sanjay; Suchart Siengchin; Vincenzo Fiore, Editor, Elsevier Ltd., Woodhead Publishing, New York, pp.343-355, 2023
- III. **Identification of the elastic and damping properties of jute and luffa fiber-reinforced biocomposites**
KÖRÜK H., SAYGILI Y., GENÇ G., ŞANLITÜRK K. Y.
in: Advances in Bio-Based Fibres: Moving Towards a Green Society, Sanjay, M. R.; Madhu, P.; Jyotishkumar, P.; Suchart, S.; Sergey, G., Editor, Woodhead Publishing, Cambridge, pp.447-469, 2022
- IV. **Acoustic and mechanical properties of biofibers and their composites**
KÖRÜK H., KOÇ B., GENÇ G.
in: Advances in Bio-Based Fiber Moving Towards a Green Society, Sanjay, M. R.; Madhu, P.; Jyotishkumar, P.; Suchart, S.; Sergey, G., Editor, Woodhead Publishing, Cambridge, pp.407-438, 2022
- V. **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. **Modal behavior of post low velocity impact flax/epoxy composite structures**
Srihi K., Zergoune Z., Masse N., GENÇ G., El Hafidi A.
57th International JVE Conference, İstanbul, Turkey, 13 June 2022, vol.1, pp.1-6
- II. **An Industrial Application: Improving Performance of an Old Forging Press**
Alemdaroğlu U., Güler Z., Dalkıran F., GENÇ G.
THE 25TH INTERNATIONAL CONFERENCE ON HYDRAULICS AND PNEUMATICS, Prag, Czech Republic, 08 June 2022, vol.1, pp.1-4
- III. **A Gas Sensor Design and Simulation with ZnO and TiO₂ Sensing Layers**
KONUĞ EGE G., YÜCE H., GENÇ G.
INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGIES, Konya, Turkey, 19 - 21 November 2020, vol.1, pp.240-245
- IV. **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
- V. **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

- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **Atık Ceviz Kabuğu Takviyeli Kompozit Malzemelerin Baskı Yapılabilirliklerinin İncelenmesi**
GENÇ G., SÖNMEZ S.
II. Uluslararası Basım Teknolojileri Sempozyumu, 11 - 12 October 2017
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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

- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **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
- XXVI. **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
- XXVII. **Ankastre Kompozit Kirişte Gerilme Şekil Değiştirme Kontrolü**
AKKUŞ N., GENÇ G.
Uluslararası 1. Mesleki Eğitim Teknolojileri Konferansı, İstanbul, Turkey, 5 - 07 September 2005, vol.2, pp.1209-1214

Patent

Sönmez S., GENÇ G., Serigrafi Baskı Sistemine Uygun Biyokompozit Levha ve Üretim Yöntemi, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: TR 2017 07834 B , Standard Registration, 2022

Genç G., Sarıkış A., Kesen U., Aydın S., ELEKTRONİK DEVRE UYGULAMALARI İÇİN BİTKİSEL LİF TAKVİYELİ BİR BİYO-KOMPOZİT PCB PLAKET, Patent, CHAPTER H Electricity, The Invention Recourse Number: 2020/15155 , Standard Registration, 2020

Metrics

Publication: 57

Citation (WoS): 107

Citation (Scopus): 123

H-Index (WoS): 6

H-Index (Scopus): 6

Congress and Symposium Activities

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

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, TUBITAK, 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

Non Academic Experience

BİLİM SANAYİ VE TEKNOLOJİ BAKANLIĞI

TÜBİTAK

University of Bourgogne