

## Prof. Haydar LİVATYALI

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-9161-2019

ScopusID: 6602448693

Yoksis Researcher ID: 234338

### Biography

B: 1967 Konya-Turkey. He got his mechanical engineering B.Sc. degree from the Middle East Technical University in 1989. Next, he was awarded M.Sc. and Ph.D. degrees in mechanical engineering by The Ohio State University in 1993 and 1998. Next, he was assigned to the assistant professor position in 1999 and to the associate professor position in 2005 at the Mechanical Engineering Department of Istanbul Technical University. He worked as a chief senior researcher at the Energy Institute of TUBITAK Marmara Research Center after October 2009 for 5,5 years. In April 2015, he became a professor at the Mechatronics Engineering Department at Yıldız Technical University. He is serving as the department chairman since September 2016. He has published 85 articles and conference papers, one international book chapter, one international patent, and one national patent.

### Education Information

Doctorate, Ohio State University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü - İmalat, United States Of America  
1994 - 1998

Postgraduate, Ohio State University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü - İmalat, United States Of  
America 1991 - 1993

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey  
1985 - 1989

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Computer Aided Process Design of Selected Sheet Metal Bending Processes – Flanging & Hemming , Ohio  
State University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 1998

Postgraduate, Design of an Experimental Roll Forming Mill, Ohio State University, Mühendislik Fakültesi, Makina

Mühendisliği Bölümü - İmalat, 1993

## Research Areas

Mechanical Engineering, Construction and Manufacturing, Machine Elements, Machine Design, Computer Aided Design and Manufacturing, Material, Plastic Forming Methods, Machining Methods, Engineering and Technology

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2015 - Continues

Associate Professor, Istanbul Technical University, Makina Fakültesi, Makina Mühendisliği Bölümü, 2005 - 2009

Assistant Professor, Istanbul Technical University, Makina Fakültesi, Makina Mühendisliği Bölümü, 1999 - 2005

Research Assistant, The Ohio State University, Mühendislik Fakültesi, Engineering Research Center For Net Shape Manufacturing, 1993 - 1998

Research Assistant, Middle East Technical University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 1989 - 1991

## Academic and Administrative Experience

Head of Department, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Mechatronics Engineering Dept., 2016 - Continues

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty of Mechanical Engineering, 2016 - Continues

Head of Department, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, -, 2016 - Continues

Yıldız Teknik Üniversitesi, Makina Fakültesi, Mekatronik Mühendisliği Bölümü, 2016 - Continues

Fakülte Kurulu Üyesi, Yildiz Technical University, Faculty of Mechanical Engineering, 2016 - Continues

Fakülte Yönetim Kurulu Üyesi, Istanbul Technical University, Makina, 2000 - 2004

Deputy Head of Department, Istanbul Technical University, Makina, Makina Mühendisliği, 2002 - 2003

## Courses

PROJECT LIFE-CYCLE MANAGEMENT IN MECHATRONICS, Undergraduate, 2022 - 2023

Machine Elements, Undergraduate, 2022 - 2023

Engineering Economy, Undergraduate, 2022 - 2023

Research Methods and Ethics in Science, Postgraduate, 2021 - 2022

Material Science (for Mekatronik Engineers), Undergraduate, 2021 - 2022

Metal Forming Technology, Undergraduate, 2021 - 2022

CNC Machines, Postgraduate, 2021 - 2022

Proje Tasarımında Analitik Yöntemler, Undergraduate, 2019 - 2020

Computer Aided Manufacturing, Undergraduate, 2018 - 2019

Manufacturing Processes, Undergraduate, 2019 - 2020

Introduction to Mechatronics Engineering, Undergraduate, 2018 - 2019

## Advising Theses

Livatyalı H., Robot hücrelerinde kameralı güvenlik sistemlerinin optimal tasarımı, Doctorate, M.ÖZKAHRAMAN(Student), 2022

Livatyalı H., Otonom kutu istifleme robot hücreleri için meta-sezgisel optimizasyon algoritması geliştirilmesi, Doctorate,

H.GEZİCİ(Student), 2022

Aşçıoğlu Temiztaş B., Livatyalı H., HOT FORGING PROCESS DESIGN AND SENSITIVITY ANALYSIS FOR LONG, THIN AND TUBULAR COMPONENTS, Postgraduate, B.KABATAŞ(Student), 2020

LİVATYALI H., AKTARMA ORGANLARINDA KULLANILAN ISLAK KAVRAMALARIN ORANSAL VALF İLE KONTROLÜNÜN MODELLENMESİ, SİMÜLASYONU VE TESTİ, Postgraduate, A.Evren(Student), 2018

LİVATYALI H., 3 EKSEN KARTEZYEN ROBOTLARDA KONSTRÜKTİF İYİLEŞTİRMELER, Postgraduate, S.POYRAZ(Student), 2018

Livatyalı H., 22MnB5 çelik sacların elektrikli ısıtma ile preste sertleştirme işleminin metalurjik analizi ve mekanik davranışlara etkisi, Postgraduate, İ.ÖZCAN(Student), 2009

Livatyalı H., Düz kenar bükme ve döner kalıpla kenar bükme işlemlerinin geri yaylanma üzerine etkilerinin deneysel olarak incelenmesi, Postgraduate, S.EMRAH(Student), 2009

Livatyalı H., 22MnB5 çelik sacların elektrikli ısıtma ile sıcak şekillendirilmesinin deneysel analizleri, Postgraduate, O.KURUMAHMUT(Student), 2009

Livatyalı H., 22MnB5 çelik sacların sıcak şekillendirilmesinin sonlu elemanlar analizi, Postgraduate, E.KURUMAHMUT(Student), 2009

Livatyalı H., Roll forming of bifurcated profiles, Postgraduate, M.OKAN(Student), 2008

Livatyalı H., Bilyeli perdahlama işleminin sonlu elemanlar yöntemi ile simülasyonu, Postgraduate, E.HAS(Student), 2007

Livatyalı H., Helikopter rotor palalarında kullanılan polimer matrisli kompozit malzemelerin sonlu elemanlar yöntemi ile modellenmesi, Postgraduate, N.HAKAN(Student), 2007

Livatyalı H., Polimer esaslı helikopter rotor palası imalatı ve mekanik özelliklerinin tespiti, Postgraduate, M.CEBE(Student), 2007

LİVATYALI H., Effects of machining parameters on the fatigue strength of threaded parts, Doctorate, H.KEMAL(Student), 2006

Livatyalı H., Modelling of flexible roll forming, Postgraduate, E.GÜLÇEKEN(Student), 2006

ÖMÜRLÜ V. E., LİVATYALI H., Sonlu Elemanlar Yöntemi İle Vida Ovalama Merdanesi Profil Tasarımı, Postgraduate, E.Aygın(Student), 2005

Livatyalı H., Vidaların talaş kaldırma ile imalatında imal faktörlerinin yorulma dayanımına etkisi, Doctorate, H.KEMAL(Student), 2005

Livatyalı H., Yüksek dayanımlı düşük alaşımlı çelik sacların yüksek sıcaklıkta şekillendirilmesi, Postgraduate, S.GÜLSUYU(Student), 2004

Livatyalı H., Mekanik sac şekillendirme pres tasarımında sistematik konstrüksiyon ve sonlu elemanlar yöntemlerinin kullanımı, Postgraduate, A.FINDIK(Student), 2004

Livatyalı H., Sünek olmayan / yüksek mukavemetli metal sacların ısıtılarak şekillendirilmesi, Postgraduate, E.ERDİN(Student), 2003

Livatyalı H., Hafif ticari araç tamponlarının bilgisayar destekli tasarımı, Postgraduate, S.ÖZKURT(Student), 2003

Livatyalı H., Sac şekillendirme kalıbı çekme yüzeylerinin tasarımında sonlu elemanlar yönteminin kullanılması, Postgraduate, M.MURAT(Student), 2002

## Jury Memberships

Doctorate, Doktora tez savunması, İstanbul Üniversitesi-Cerrahpaşa, September, 2018

Doctorate, Doktora tez savunması, Marmara Üniversitesi Makina Mühendisliği Bölümü, December, 2017

Associate Professor Exam, Doçentlik Sözlü Sınavı, Gazi Üniversitesi, October, 2017

## Designed Programs

Livatyalı H., Undergraduate, Mekatronics Engineering B.Sc. Program (Bologna 2018), 2018 - Continues

Livatyalı H., Undergraduate Double Major, Avionics Engineering M.Sc Program, 2018 - Continues

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

- I. **Formability improvement in Ti-6Al-4 V sheet at room temperature by pulsating hydraulic bulging: experimental and numerical investigations**  
Türköz M., Toros S., Dilmeç M., Livatyalı H., Kotan H., Halkacı H. S.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.1, no.1, pp.1-16, 2022 (SCI-Expanded)
- II. **Microstructural Characterization of Improved Formability of Ti-6Al-4V Sheet by Pulsating Hydraulic Bulging at Room Temperature**  
Yapan Y. F., Öztürk O., Türköz M., Dilmeç M., Livatyalı H., Halkacı H. S., Kotan H.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, pp.1-12, 2022 (SCI-Expanded)
- III. **Artificial Intelligence in Foreign Object Classification in Fenceless Robotic Work Cells Using 2-D Safety Cameras**  
Özkahraman M., Livatyalı H.  
TEHNIČKI VJESNIK, vol.29, no.5, pp.1491-1498, 2022 (SCI-Expanded)
- IV. **An improved Harris Hawks Optimization algorithm for continuous and discrete optimization problems**  
Gezici H., Livatyalı H.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.113, 2022 (SCI-Expanded)
- V. **Experimental comparison of straight flanging and rotary die bending based on springback**  
Livatyalı H., Turan S. E., Birol F., Turkoz M.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.120, no.7-8, pp.4373-4386, 2022 (SCI-Expanded)
- VI. **Chaotic Harris hawks optimization algorithm**  
Gezici H., Livatyalı H.  
JOURNAL OF COMPUTATIONAL DESIGN AND ENGINEERING, vol.9, no.1, pp.216-245, 2022 (SCI-Expanded)
- VII. **Hybrid flower pollination algorithm approach for the two-dimensional bin packing problem**  
Gezici H., Livatyalı H.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.3, pp.1523-1534, 2022 (SCI-Expanded)
- VIII. **Design and validation of a camera-based safety system for fenceless robotic work cells**  
Ozkahraman M., Yilmaz C., Livatyalı H.  
Applied Sciences (Switzerland), vol.11, no.24, 2021 (SCI-Expanded)
- IX. **Effects of rapid conductive heating and passive cooling with cold dies on hot-forming formability and final mechanical properties of boron steel sheets**  
Kocar O., Livatyalı H.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.235, no.2, pp.309-319, 2021 (SCI-Expanded)
- X. **Prediction of residual stresses in ball burnishing Ti6Al4V thin sheets**  
Livatyalı H., Has E., Turkoz M.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.110, pp.1083-1093, 2020 (SCI-Expanded)
- XI. **Investigation on the mechanical properties of press-hardened boron steel sheets using the conductive heating technique**  
Kocar O., LİVATYALI H.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.234, no.8, pp.1084-1098, 2020 (SCI-Expanded)
- XII. **Effect of the type of gasifying agent on gas composition in a bubbling fluidized bed reactor**  
AYDAR E., GUL S., UNLU N., AKGUN F., Livatyalı H.  
JOURNAL OF THE ENERGY INSTITUTE, vol.87, no.1, pp.35-42, 2014 (SCI-Expanded)
- XIII. **Effect of cutting energy on fatigue behavior of threaded specimens**

- Akyildiz H. K., Livatyali H.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.70, pp.547-557, 2014 (SCI-Expanded)
- XIV. **Design of Threaded Fatigue Test Specimen for Machining**  
Akyildiz H. K., Livatyali H.  
JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME, vol.135, no.4, 2013 (SCI-Expanded)
- XV. **Effects of sheet thickness and anisotropy on forming limit curves of AA2024-T4**  
Dilmeç M., Halkacı H. S., ÖZTÜRK F., Livatyali H., Yigit O.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.67, pp.2689-2700, 2013 (SCI-Expanded)
- XVI. **PREDICTION AND EXPERIMENTAL ANALYSIS OF CUTTING FORCES DURING MACHINING OF PRECISION EXTERNAL THREADS**  
Akyildiz H. K., Livatyali H.  
MACHINING SCIENCE AND TECHNOLOGY, vol.15, no.4, pp.485-506, 2011 (SCI-Expanded)
- XVII. **An experimental analysis of drawing characteristics of a dual-phase steel through a round drawbead**  
Livatyali H., Firat M., GÜRLER B., Özsoy M.  
MATERIALS & DESIGN, vol.31, no.3, pp.1639-1643, 2010 (SCI-Expanded)
- XVIII. **Effects of machining parameters on fatigue behavior of machined threaded test specimens**  
Akyildiz H. K., Livatyali H.  
MATERIALS & DESIGN, vol.31, no.2, pp.1015-1022, 2010 (SCI-Expanded)
- XIX. **Improving the accuracy of contact-type drawbead elements in panel stamping analysis**  
Firat M., Livatyali H., CİCEK O., ONHON M. F.  
MATERIALS & DESIGN, vol.30, no.10, pp.4003-4011, 2009 (SCI-Expanded)
- XX. **Roll forming of branched profiles**  
GOERTAN M. O., VUCIC D., GROCHE P., Livatyali H.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.209, no.17, pp.5837-5844, 2009 (SCI-Expanded)
- XXI. **Design of over-crown in sheet metal stamping using finite element method**  
Livatyali H., ERGELDI M.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.173, no.1, pp.14-20, 2006 (SCI-Expanded)
- XXII. **Experimental investigation on forming defects in flat surface-convex edge hemming: roll, recoil and warp**  
Livatyali H., LARRIS S.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.153, pp.913-919, 2004 (SCI-Expanded)
- XXIII. **Experimental investigation of forming defects in flat surface-convex edge hemming**  
Livatyali H., LAXHUBER T., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.146, no.1, pp.20-27, 2004 (SCI-Expanded)
- XXIV. **Computer aided die design of straight flanging using approximate numerical analysis**  
Livatyali H., KINZEL G., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.142, no.2, pp.532-543, 2003 (SCI-Expanded)
- XXV. **Prediction and elimination of springback in straight flanging using computer-aided design methods Part 2: FEM predictions and tool design**  
Livatyali H., WU H., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.120, pp.348-354, 2002 (SCI-Expanded)
- XXVI. **Prediction and elimination of springback in straight flanging using computer aided design methods Part 1. Experimental investigations**  
Livatyali H., Altan T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.117, pp.262-268, 2001 (SCI-Expanded)
- XXVII. **Improvement of hem quality by optimizing flanging and pre-hemming operations using computer aided die design**  
Livatyali H., MUDERRISOĞLU A., AHMETOĞLU M., AKGERMAN N., KINZEL G., ALTAN T.

- JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.98, no.1, pp.41-52, 2000 (SCI-Expanded)
- XXVIII. **Investigation of crack formation on the Galvalume coating of roll formed roof panels**  
Livatyali H., DUGGAL N., AHMETOGLU M., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.98, no.1, pp.53-61, 2000 (SCI-Expanded)
- XXIX. **Simulation of roll forming process with the 3-D FEM code PAM-STAMP**  
HEISLITZ F., Livatyali H., AHMETOGLU M., KINZEL G., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.59, pp.59-67, 1996 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Process optimization for hot forging of difficult parts by computer experiments and response surface analysis**  
Kabataş B., LİVATYALI H., AŞÇIOĞLU TEMİZTAŞ B.  
Journal of Advances in Manufacturing Engineering, vol.3, no.2, pp.33-45, 2022 (Peer-Reviewed Journal)
- II. **Elektrikli Araçlar İçin Bir Şasi Dinamometresi Tasarımı**  
Livatyali H., Altay H.  
Makina Tasarım ve İmalat Dergisi, vol.20, no.1, pp.17-28, 2022 (Peer-Reviewed Journal)
- III. **Modeling, Simulation and Validation of a Tractor Wet Clutch Controlled by Proportional Valve**  
Yel A. E., LİVATYALI H.  
International Journal of Automotive Science and Technology, vol.5, no.1, pp.8-18, 2021 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Chapter 23 Roll Forming**  
GÖRTAN M. O., LİVATYALI H., Groche P.  
in: SHEET METAL FORMING: Processes and Applications, Taylan Altan ve A Erman Tekkaya, Editor, ASM International, pp.211-225, 2012
- II. **Little Book of Science Minik Ansiklopedi Bilim**  
LİVATYALI H.  
TUBITAK Popüler Bilim Kitapları Ankara 2010, Ankara, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the microstructural reasons for the increase in formability of Ti-6Al-4V alloy by pulsating hydraulic bulging**  
YAPAN Y. F., ÖZTÜRK O., TÜRKÖZ M., DİLMEÇ M., LİVATYALI H., HALKACI H. S., KOTAN H.  
Materials Science and Engineering Congress (MSE), Darmstadt, Germany, 27 - 29 September 2022
- II. **Küçük Ölçekli İnsansız Helikopter Dinamiğinde Kaosun Araştırılması ve Kontrolü**  
ÇAKIR A., LİVATYALI H.  
GLOBECER 2022: 2nd GLOBAL CONFERENCE on ENGINEERING RESEARCH, Bandırma, Turkey, 07 September 2022, vol.1, pp.400-401
- III. **Finite Element Analysis of Die Quenching 22Mnb5 Steel Sheets**  
LİVATYALI H.  
ICTP 2021-The 13th International Conference on the Technology of Plasticity, Columbus Ohio, United States Of America, 25 July 2021, vol.1, pp.15
- IV. **Characterization of Biocrude Oil from Catalytic Liquefaction of Biogasification Sludge**  
Ünsal M., AKSOY P., LİVATYALI H., BEDİR H., Önoğlu H. A.  
Bioenergy 2013, Jyväskylä, Finland, 4 - 06 September 2013

- V. **hot forging process design and sensitivity analysis for long, thin and tubular components**  
Kabataş B., Aşçioğlu Temiztaş B., Livatyali H.  
5th Int. Conf. on Advances in Mechanical Engineering, İstanbul, Turkey, 17 - 19 December 2019, vol.1, pp.625-632
- VI. **OPTIMIZATION OF THE HARD-TURNING OF AISI 4340 STEEL FOR SURFACE ROUGHNESS USING THE TAGUCHI METHOD**  
Livatyali H., Akyıldız H. K., Kaya M. T., Özdemir M., İynen O.  
UTİS 2019-10th International Congress on Machining, Antalya, Turkey, 7 - 09 November 2019, pp.7-12
- VII. **EXPERIMENTAL INVESTIGATION ON HARD-TURNING OF AISI 4140 STEEL**  
Livatyali H., Akyıldız H. K., Kaya M. T., Özdemir M.  
UTİS 2019-10th International Congress on Machining, Antalya, Turkey, 7 - 09 November 2019, pp.1-6
- VIII. **1D MODELLING AND SIMULATING OF WET CLUTCH FOR TRANSMISSION CONTROLLED BY PROPORTIONAL VALVE**  
Yel A. E., LİVATYALI H.  
THE INT. CONF. ON MATERIALS SCIENCE MECHANICAL AND AUTOMOTIVE ENGINEERINGS AND TECHNOLOGY, İzmir, Turkey, 10 April 2018, vol.1, no.1, pp.41-44
- IX. **TALAS KALDIRMA İLE VİDALI NUMUNE İMALİ VE YORULMA DENEYLERİNDEKİ PROBLEMLER**  
LİVATYALI H., AKYILDIZ H. K., KAYA m. t.  
UTİS-2016 Uluslararası Talash İmalat Sempozyumu, İstanbul, Turkey, 3 - 05 November 2016
- X. **Production of biocrude oil by waste biomass CatLiq process and characterization of oils**  
AKSOY P., Ünsal M., LİVATYALI H., Önoğlu H. A.  
International Congress and Expo on Biofuels & Bioenergy, Valencia, Spain, 25 August 2015
- XI. **Effect of operating conditions on gas composition in atmospheric and bubbling fluidized bed gasification of coal**  
AYDAR E., GUL S., UNLU N., AKGUN F., Livatyali H.  
29th Annual International Pittsburgh Coal Conference 2012, PCC 2012, Pittsburgh, PA, United States Of America, 15 - 18 October 2012, vol.1, pp.527-535
- XII. **Improving the performance of contact-type drawbead elements in stamping process analysis**  
Firat M., Livatyali H., CICEK O., FATİH ONHON M.  
9th International Conference on Technology of Plasticity, ICTP 2008, Gyeongju, South Korea, 7 - 11 September 2008, pp.1437-1442
- XIII. **Finite element simulation of flexible roll forming a case study on variable width U channel**  
GÜLÇEKEN e., ANDRE a., SEDLMAIER a., LİVATYALI H.  
4th Int Conf. of Design and Manufacturing of Dies, Molds and Machines, 20 - 23 June 2007
- XIV. **Computer aided dDesign for bending, flanging and hemming of steels and Aluminum alloys**  
Livatyali H.  
PMA-Metal-Form 1997 Conference, Illinois, United States Of America, 3 - 04 September 1997, pp.1-6

## Supported Projects

- Koyun A., Yılmaz C., Livatyali H., TUBITAK Project, Otomatik Numune Yüklemeli, Video ve Termal Görüntülemeli Yapay Zeka Destekli Robotik Tıp Çekme Test Cihazı ve Kontrol Yazılımı, 2021 - 2023
- Türköz M., Livatyali H., Dilmeç M., Kotan H., Halkacı H. S., TUBITAK Project, Improving Formability of Ti-6Al-4V Alloy Using the Pulsating Sheet Hydroforming Process and Associating with Microstructure, 2020 - 2023
- Yılmaz C., Livatyali H., Arslan M. S., Turkey Institutes of Health Administration Project, Ambulans Motosiklet, 2022 - 2022
- Livatyali H., Technopark, YÜKSEK HIZDA İNCE METAL LEVHA KESME VE BÜKME İŞLEMLERİNİN ANALİZİ, 2022 - 2022
- Livatyali H., Mammadov M., Durgun K., Chadır M., TUBITAK Project, Smart Electric Bicycle Design, 2021 - 2021
- Koyun A., Ulu C., Erkan K., Yılmaz C., Livatyali H., Project Supported by Other Official Institutions, Sürekli Atkusu İzleme Sistemleri (SAİS) Bileşenlerinin Yerli Üretimle Yapılabilirliğinin Araştırılması ve Geliştirilmesi, 2020 - 2021
- Livatyali H., Altay H., TUBITAK Project, ELEKTRİKLİ ARAÇLAR İÇİN ŞAŞI DİNAMOMETRESİ VE KONTROLCÜSÜ TASARIMI, 2017 - 2017

Akdoğan E., Livatyali H., Üvet H., Ömürlü V. E., TUBITAK Project, Yıldız Technical University R & D Strategy Document (Mechatronics) - 1000-Support Program for Increasing Research and Development Potential of Universities, 2016 - 2017

LİVATYALI H., TUBITAK Project, 1000 – YILDIZ TEKNİK ÜNİVERSİTESİNİN AR-GE POTANSİYELİNİN ARTTIRILMASI: Mekatronik, 2016 - 2017

LİVATYALI H., TUBITAK Project, FTIR Yöntemiyle Çoklu Gaz Analiz Cihazı Geliştirilmesi, 2016 - 2016

LİVATYALI H., TUBITAK Project, Uzaktan Kontrollü Mayın Tespit Robotu, 2016 - 2016

LİVATYALI H., TUBITAK Project, Yüksek Hızlı Endüstriyel Kartezyen Robot Geliştirilmesi, 2016 - 2016

LİVATYALI H., TUBITAK Project, 105M178 Isıl İşleme Sertleştirilebilir Çelik Sacların Yüksek Sıcaklıkta Şekillendirilmesi, 2006 - 2009

## Patent

Yılmaz C., Livatyali H., Pozitif ve Negatif Ön Basıncılı Çift Yönlü Şırınga Sistemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2018 12660 , Standard Registration, 2022

Livatyali H., Enabling solid particle transfer in circulating fluidized bed combustors/gasifiers (Dolaşımli Akışkan Yataklı Yakma/Gazlaştırma Sistemlerinde Katı Dolaşımının Sağlanması), Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: 10035964 , Standard Registration, 2018

## Activities in Scientific Journals

Makina Tasarım ve İmalat Dergisi, Evaluation Committee Member, 2018 - Continues

## Scientific Refereeing

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, SCI Journal, December 2020

## Metrics

Publication: 48

Citation (WoS): 429

Citation (Scopus): 566

H-Index (WoS): 11

H-Index (Scopus): 12

## Non Academic Experience

Other Public Institution, Tübitak Mam, Yakma Ve Gazlaştırma Grubu

Other Public Institution, Tübitak, Makiteg