

## Prof. Haydar LİVATYALI

### Personal Information

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### International Researcher IDs

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ScopusID: 6602448693

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### 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, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2015 - Continues

Researcher, University of Kentucky, Institute for Sustainable Manufacturing, 2023 - 2023

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

Fakülte Yönetim Kurulu Üyesi, Yıldız Technical University, Faculty Of Mechanical Engineering, 2016 - 2024

Fakülte Kurulu Üyesi, Yıldız Technical University, Faculty Of Mechanical Engineering, 2016 - 2024

Head of Department, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Mechatronics Engineering Dept., 2016 - 2023

Head of Department, Yıldız Technical University, Mekatronik Mühendisliği Bölümü, 2016 - 2023

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

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

## Courses

Engineering Economy, Undergraduate, 2024 - 2025

Machine Elements, Undergraduate, 2024 - 2025

Research Methods and Ethics in Science, Postgraduate, 2023 - 2024

Material Science (for Mekatronik Engineers), Undergraduate, 2023 - 2024

Introduction to Mechatronics Engineering, Undergraduate, 2024 - 2025

PROJECT LIFE-CYCLE MANAGEMENT IN MECHATRONICS, Undergraduate, 2023 - 2024

Metal Forming Technology, Undergraduate, 2021 - 2022

CNC Machines, Postgraduate, 2021 - 2022

Computer Aided Manufacturing, Undergraduate, 2018 - 2019

Manufacturing Processes, Undergraduate, 2019 - 2020

## Advising Theses

Livatyalı H., Amerika Pazarı İçin Geliştirilen Bir Elektrikli Aracın Önden Çarpma Durumu Altında Batarya Güvenliğinin Sağlanması, Postgraduate, Ü.DARDEH(Student), 2023

Livatyalı H., Küçük ölçekli insansız helikopter dinamiğinde kaosun incelenmesi ve kontrolü, Postgraduate, A.ÇAKIR(Student), 2022

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 sıcak şekillendirilmesinin sonlu elemanlar analizi, Postgraduate, E.KURUMAHMUT(Student), 2009

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

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

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

Livatyalı H., Bilyeli perdelama işleminin sonlu elemanlar yöntemi ile simülasyonu, Postgraduate, E.HAS(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., Mekanik sac şekillendirme pres tasarımında sistematik konstrüksiyon ve sonlu elemanlar yöntemlerinin kullanımı, Postgraduate, A.FINDIK(Student), 2004

Livatyalı H., Yüksek dayanımlı düşük alaşımlı çelik sacların yüksek sıcaklıkta şekillendirilmesi, Postgraduate, S.GÜLSUYU(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, Mekatronik 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. **Enhancing formability of Ti-6Al-4V cylindrical cups by pulsating hydroforming process: Experimental, numerical and microstructural investigations**  
Öztürk O., Aydın M., Gökçepinar Ö. F., İlbeyli H. M., Korkmaz H. G., Yapan Y. F., Dilmeç M., Halkacı H. S., Kotan H., Livatyalı H., et al.  
ENGINEERING SCIENCE AND TECHNOLOGY, AN INTERNATIONAL JOURNAL, vol.50, pp.1-15, 2024 (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, vol.32, pp.6258-6269, 2023 (SCI-Expanded)
- III. **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)
- IV. **Artificial Intelligence in Foreign Object Classification in Fenceless Robotic Work Cells Using 2-D Safety Cameras**  
Özkahraman M., Livatyalı H.  
TEHNICKI VJESNIK, vol.29, no.5, pp.1491-1498, 2022 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)

- XII. **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)
- XIII. **Effect of the type of gasifying agent on gas composition in a bubbling fluidized bed reactor**  
AYDAR E., GUL S., UNLU N., AKGUN F., Livatyali H.  
JOURNAL OF THE ENERGY INSTITUTE, vol.87, no.1, pp.35-42, 2014 (SCI-Expanded)
- XIV. **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)
- XV. **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)
- XVI. **Effects of sheet thickness and anisotropy on forming limit curves of AA2024-T4**  
Dilmec M., Halkaci H. S., OZTURK F., Livatyali H., Yigit O.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.67, pp.2689-2700, 2013 (SCI-Expanded)
- XVII. **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)
- XVIII. **An experimental analysis of drawing characteristics of a dual-phase steel through a round drawbead**  
Livatyali H., Firat M., GURLER B., Ozsoy M.  
MATERIALS & DESIGN, vol.31, no.3, pp.1639-1643, 2010 (SCI-Expanded)
- XIX. **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)
- XX. **Improving the accuracy of contact-type drawbead elements in panel stamping analysis**  
Firat M., Livatyali H., CICEK O., ONHON M. F.  
MATERIALS & DESIGN, vol.30, no.10, pp.4003-4011, 2009 (SCI-Expanded)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **Prediction and elimination of springback in straight flanging using computer-aided design methods Part 2: FEM predictions and tool design**

- Livatyalı H., WU H., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.120, pp.348-354, 2002 (SCI-Expanded)
- XXVII. **Prediction and elimination of springback in straight flanging using computer aided design methods Part 1. Experimental investigations**  
Livatyalı H., Altan T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.117, pp.262-268, 2001 (SCI-Expanded)
- XXVIII. **Improvement of hem quality by optimizing flanging and pre-hemming operations using computer aided die design**  
Livatyalı 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)
- XXIX. **Investigation of crack formation on the Galvalume coating of roll formed roof panels**  
Livatyalı H., DUGGAL N., AHMETOĞLU M., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.98, no.1, pp.53-61, 2000 (SCI-Expanded)
- XXX. **Simulation of roll forming process with the 3-D FEM code PAM-STAMP**  
HEISLITZ F., Livatyalı H., AHMETOĞLU M., KINZEL G., ALTAN T.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.59, pp.59-67, 1996 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Solid-State vs. Fusion-Based Metal Additive Manufacturing Technologies**  
LİVATYALI H., CAUDILL J. R.  
Aerospace Research Letters, vol.2, no.2, pp.128-138, 2023 (Peer-Reviewed Journal)
- II. **A Novel Force Control Strategy for Improved Surface Integrity in Low Plasticity Burnishing**  
LİVATYALI H.  
Sıy State University, vol.10, pp.18-26, 2023 (Scopus)
- III. **Amerika Pazarı için Geliştirilen Elektrikli Monokok Şasili Aracın Önden Çarpışma Durumunda Batarya Güvenliğinin Doğrulanması**  
Dardeh Ü., LİVATYALI H.  
International Journal of Sivas University of Science and Technology, vol.2, no.1, pp.20-39, 2023 (Peer-Reviewed Journal)
- IV. **Optimization of one-dimensional bin packing problem using a hybrid flower pollination algorithm**  
Gezici H., Livatyalı H.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.3, pp.545-564, 2023 (ESCI)
- V. **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)
- VI. **Elektrikli Araçlar İçin Bir Şasi Dinamometresi Tasarımı**  
Livatyalı H., Altay H.  
Makina Tasarım ve İmalat Dergisi, vol.20, no.1, pp.17-28, 2022 (Peer-Reviewed Journal)
- VII. **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)
- VIII. **Yoğunlaştırılmış Güneş Enerjisi Teknolojisindeki Gelişmeler**  
LİVATYALI H., Yıldırım T.  
Mühendis ve Makina, no.633, pp.16-20, 2012 (Peer-Reviewed Journal)
- IX. **Güneşten Elektrik Üretmenin Termal Yolu: Yoğunlaştırılmış Güneş Enerjisi**  
LİVATYALI H., Baker D.  
Bilim ve Teknik, pp.66-69, 2011 (Peer-Reviewed Journal)
- X. **Güneş Enerjisi Sistemleri Arasında CSP'nin Yeri**

- Aydar E., Üresin E., LİVATYALI H.  
Tesisat, no.181, pp.80-88, 2011 (Peer-Reviewed Journal)
- XI. **Yoğunlaştırılmış Güneş Enerjisinden Elektrik Üretimi**  
Aydar E., Üresin E., LİVATYALI H.  
TTMD: Turkish HVAC, Refrigeration, Fire Fighting and Sanitary Journal, no.66, 2010 (Peer-Reviewed Journal)
- XII. **Bilgisayar Destekli Roll Form Makara Tasarımı: Zanaatın Teknolojiyle Birleşmesi**  
LİVATYALI H.  
Machinery Makinatek, no.106, pp.56-59, 2006 (Peer-Reviewed Journal)
- XIII. **İmal Faktörleri ve Takım Aşınmasının Talaş Kaldırma ile İmal Edilmiş Vidalı Parçaların Yorulma Dayanımına Etkisi**  
AKYILDIZ H. K., Fetullayev E., LİVATYALI H.  
İTÜ Dergisi Seri D: Mühendislik, vol.5, no.2, pp.145-156, 2006 (Peer-Reviewed Journal)
- XIV. **Sac Bükme ve Kenarlama Kalıplarının Tasarımında Bilgisayarlı Yöntemler**  
LİVATYALI H.  
Makina Metal Malzeme Dünyası, vol.1, no.1, pp.43-45, 1999 (Peer-Reviewed Journal)
- XV. **Roll Bending Irregular Shapes from Plate and Sheet**  
LİVATYALI H., Ahmetoğlu M. A., Altan T.  
Tube and Pipe Quarterly, pp.36-41, 1999 (Peer-Reviewed Journal)
- XVI. **Simulating roll forming by computer**  
LİVATYALI H., Heislitz F., Ahmetoğlu M. A., Altan T.  
The Fabricator, pp.26-27, 1997 (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**  
Livatyalı H.  
TÜBİTAK Yayınları, Ankara, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **Dimensional Control in Sheet Metal Bending Using Machine Learning**  
Büyükdöğeriöğlü M. C., LİVATYALI H.  
UMTIK 2024 - 20th Int. Conference on Machine Design and Production, Ankara, Turkey, 14 - 17 August 2024
- II. **Dimensional Control in Sheet Metal Forming Using Machine Learning**  
Büyükdöğeriöğlü M. C., LİVATYALI H.  
YTU-Grad Colluquim'24, İstanbul, Turkey, 04 June 2024
- III. **Dimensional Control in Sheet Metal Forming Using Machine Learning**  
Büyükdöğeriöğlü M. C., LİVATYALI H.  
7th Int. Antalya Congress of Scientific Research and Innovative Studies, Turkey, 11 May 2024
- IV. **GÜNLÜK HAYATTA DİJİTAL TEKNOLOJİLER: ABD TÜRKİYE KARŞILAŞTIRMASI - 2023**  
LİVATYALI H.  
3rd INTERNATIONAL CONFERENCE ON DIGITAL INDUSTRY AND ENGINEERING APPLICATIONS, Konya, Turkey, 3 - 04 October 2023, vol.1, pp.11
- V. **Solid-State vs. Fusion-Based Metal Additive Manufacturing Technologies**  
LİVATYALI H., Caudill J. R.

3rd INTERNATIONAL CONFERENCE ON DIGITAL INDUSTRY AND ENGINEERING APPLICATIONS, Konya, Turkey, 3 - 04 October 2023

- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **hot forging process design and sensitivity analysis for long, thin and tubular components**  
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Publication: 98

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## **Non Academic Experience**

Other Public Institution, Tübitak Mam, Yakma Ve Gazlaştırma Grubu

TÜBİTAK

Other Public Institution, Tübitak, Makiteg

The Ohio State University