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Yoksis Araştırmacı ID: [20177](https://yoksis.org.tr/yoksis/arastrmaci/20177)

Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Türkiye 2008 - 2012

Yüksek Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Türkiye 2006 - 2008

Lisans, Uludağ Üniversitesi, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Türkiye 2001 - 2005

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Kesici Ağzı Yuvarlatılmış Aşınmış Kesici Takımlar ile Ortogonal Talaş Kaldırmanın Kayma Hatları İle Modellenmesi ve Analizi, Yıldız Teknik Üniversitesi, Makine Mühendisliği, İmal Usulleri, 2012

Yüksek Lisans, Rüzgar Türbini Kanat Malzemelerinin Mekanik Özelliklerinin İncelenmesi, Yıldız Teknik Üniversitesi, Makine Mühendisliği, İmal Usulleri, 2008

Araştırma Alanları

Makina Mühendisliği, Konstrüksiyon ve İmalat, Bilgisayar Destekli Tasarım ve İmalat, Talaşlı İmalat Yöntemleri, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2022 - Devam Ediyor

Doç. Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2017 - 2022

Doç. Dr., University of Kentucky, College Of Engineering, Mechanical Engineering, 2017 - 2018

Yrd. Doç. Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2017 - 2017

Araştırma Görevlisi Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2012 - 2017

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2007 - 2012

Yönetilen Tezler

Uysal A., CGI malzemenin nanoakışkan kullanılarak MMY yöntemi ile talaşlı şekillendirilmesi, Yüksek Lisans, U.DEMİR(Öğrenci), 2022

Uysal A., Paslanmaz çeliğin nanoakışkan kullanılan minimum miktarda yağlama yöntemiyle sürdürülebilir tornalanması, Yüksek Lisans, E.SAATÇI(Öğrenci), 2022

Uysal A., Altan E., Östenitik ve Martenzitik Paslanmaz Çeliklerin Nanoakışkan Kullanılarak Minimum Miktarda Yağlama Yöntemi ile Sürdürülebilir Frezelenmesi, Yüksek Lisans, F.Demiren(Öğrenci), 2015

Uysal A., Altan E., Tornalamada talaş kaldırma parametrelerinin takım ömrüne etkilerinin Taguchi yaklaşımıyla incelenmesi, Yüksek Lisans, O.ÇALIŞKAN(Öğrenci), 2014

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **The effects of minimum quantity lubrication parameters on the lubrication efficiency in the turning of plastic mold steel**
Hamdi A., YAPAN Y. F., UYSAL A., Merghache S. M.
International Journal of Advanced Manufacturing Technology, cilt.132, sa.11-12, ss.5803-5821, 2024 (SCI-Expanded)
- II. **Influence of singular and dual MQL nozzles on sustainable milling of Al6061-T651 in different machining environments**
Cönger D. B., Yapan Y. F., Emiroğlu U., Uysal A., Altan E.
JOURNAL OF MANUFACTURING PROCESSES, cilt.109, ss.524-536, 2024 (SCI-Expanded)
- III. **Investigation of ultrasonic vibration assisted orthogonal turning under dry and minimum quantity lubrication conditions and performing sustainability analyses**
Duman E., Yapan Y. F., Salvi H., Sofuoğlu M. A., Khanna N., Uysal A.
JOURNAL OF CLEANER PRODUCTION, cilt.434, ss.1-16, 2024 (SCI-Expanded)
- IV. **Investigation of MQL and CNC turning parameters on the machinability of unreinforced polypropylene: study of surface roughness, temperature, and specific cutting energy**
Hamdi A., Yapan Y. F., Uysal A., Merghache S. M.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.130, ss.717-730, 2024 (SCI-Expanded)
- V. **Machining and Sustainability Performance Comparison for the Milling Process of Al6082 Alloy Under Various Minimum Quantity Lubrication Conditions**
Yapan Y. F., Türkeli K., Emiroğlu U., Bahçe E., Uysal A.
International Journal of Precision Engineering and Manufacturing - Green Technology, 2024 (SCI-Expanded)
- VI. **Investigation on machining of GFRP through ANOVA, DFA, and CoCoSo method combined with Taguchi approach**
Haoues S., Yaltese M. A., Kaddeche M., UYSAL A., Safi K.
Journal of Reinforced Plastics and Composites, 2024 (SCI-Expanded)
- VII. **Sustainability assessment and optimization for milling of compacted graphite iron using hybrid nanofluid assisted minimum quantity lubrication method**
Demir U., Yapan Y. F., Uysal A., Uslu Uysal M.
SUSTAINABLE MATERIALS AND TECHNOLOGIES, cilt.38, ss.1-16, 2023 (SCI-Expanded)
- VIII. **Multi-objective analysis and optimization of energy aspects during dry and MQL turning of unreinforced polypropylene (PP): an approach based on ANOVA, ANN, MOWCA, and MOALO**

Hamdi A., Yapan Y. F., Uysal A., Abderazek H.

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.1, ss.1-18, 2023 (SCI-Expanded)

- IX. **In pursuit of sustainability in machining thin walled α -titanium tubes: An industry supported study**
Khanna N., Kshitij G., Solanki M., Bhatt T., Patel O., UYSAL A., Sarıkaya M.
Sustainable Materials and Technologies, cilt.36, 2023 (SCI-Expanded)
- X. **Assessment of turning AISI 316L stainless steel under MWCNT-reinforced nanofluid-assisted MQL and optimization of process parameters by NSGA-II and TOPSIS**
Oussama B., Yapan Y. F., Uysal A., Abdelhakim C., Mourad N.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.1, ss.1-14, 2023 (SCI-Expanded)
- XI. **Orthogonal turning of AISI 310S austenitic stainless steel under hybrid nanofluid-assisted MQL and a sustainability optimization using NSGA-II and TOPSIS**
Saatçi E., Yapan Y. F., Uslu Uysal M., Uysal A.
SUSTAINABLE MATERIALS AND TECHNOLOGIES, cilt.36, ss.1-18, 2023 (SCI-Expanded)
- XII. **Investigation on the effect of hybrid nanofluid in MQL condition in orthogonal turning and a sustainability assessment**
Usluer E., Emiroğlu U., Yapan Y. F., Kshitij G., Khanna N., Sarıkaya M., Uysal A.
SUSTAINABLE MATERIALS AND TECHNOLOGIES, cilt.36, ss.1-14, 2023 (SCI-Expanded)
- XIII. **Modeling and optimization in turning of PA66-GF30% and PA66 using multi-criteria decision-making (PSI, MABAC, and MAIRCA) methods: a comparative study**
Haoues S., Yallese M. A., Belhadi S., Chihaoui S., UYSAL A.
International Journal of Advanced Manufacturing Technology, cilt.124, sa.7-8, ss.2401-2421, 2023 (SCI-Expanded)
- XIV. **Production and Cleaning of Lattice Structures Used in the Space and Aerospace Industry with Metal Additive Manufacturing Method**
Akbay O. C., BAHÇE E., UYSAL A., GEZER İ.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, cilt.31, sa.8, ss.6310-6321, 2022 (SCI-Expanded)
- XV. **Effect of Octet-Truss Lattice Transition Geometries on Mechanical Properties**
Emir E., BAHÇE E., UYSAL A.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, cilt.30, sa.12, ss.9370-9376, 2021 (SCI-Expanded)
- XVI. **Evaluation of MQL performances using various nanofluids in turning of AISI 304 stainless steel**
Touggui Y., UYSAL A., EMİROĞLU U., Belhadi S., Temmar M.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.115, sa.11-12, ss.3983-3997, 2021 (SCI-Expanded)
- XVII. **Analysis of slip-line model for serrated chip formation in orthogonal machining of AISI 304 stainless steel under various cooling/ lubricating conditions**
UYSAL A., Jawahir I. S.
JOURNAL OF MANUFACTURING PROCESSES, cilt.67, ss.447-460, 2021 (SCI-Expanded)
- XVIII. **A comparative study on performance of cermet and coated carbide inserts in straight turning AISI 316L austenitic stainless steel**
Touggui Y., Belhadi S., UYSAL A., Temmar M., Yallese M. A.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.112, ss.241-260, 2021 (SCI-Expanded)
- XIX. **Turning Performance of Bonded Cutting Tools with Nanographene or Multi-walled Carbon Nanotube Particle-Reinforced Epoxy-Based Nanocomposite Adhesives**
Uysal A., Eryildiz E., Altan E.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.44, ss.7737-7752, 2019 (SCI-Expanded)
- XX. **A slip-line model for serrated chip formation in machining of stainless steel and validation**
Uysal A., Jawahir I. S.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.101, ss.2449-2464, 2019 (SCI-Expanded)
- XXI. **Mechanical strength of single-lap joints bonded with nano graphene and MWCNT reinforced epoxy-based nanocomposite adhesives**

- Eryildiz E., Uysal A., Altan E.
MATERIALS TESTING, cilt.61, ss.349-352, 2019 (SCI-Expanded)
- XXII. **Accuracy estimation in drilling small holes on engineering plastics by a mathematical approach**
UYSAL A., Altan M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.232, sa.21, ss.3807-3813, 2018 (SCI-Expanded)
- XXIII. **Evaluation of drilling parameters on surface roughness and burr when drilling carbon black reinforced high-density polyethylene**
UYSAL A.
JOURNAL OF COMPOSITE MATERIALS, cilt.52, sa.20, ss.2719-2727, 2018 (SCI-Expanded)
- XXIV. **Influence of cutting temperature when drilling carbon black reinforced polyamides**
UYSAL A.
MATERIALS TESTING, cilt.60, sa.6, ss.627-632, 2018 (SCI-Expanded)
- XXV. **An Experimental Study on Mechanical Behavior of Nanographene/Epoxy Nanocomposites**
Altan M., UYSAL A.
ADVANCES IN POLYMER TECHNOLOGY, cilt.37, sa.4, ss.1061-1066, 2018 (SCI-Expanded)
- XXVI. **Effects of cutting parameters on drilling performance of carbon black-reinforced polymer composite**
Uysal A.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, cilt.232, ss.1133-1142, 2018 (SCI-Expanded)
- XXVII. **Effects of nano graphene particles on surface roughness and cutting temperature during MQL milling of AISI 430 stainless steel**
UYSAL A.
MATERIALS TESTING, cilt.60, sa.5, ss.533-537, 2018 (SCI-Expanded)
- XXVIII. **Investigation into the effectiveness of cutting parameters on wear regions of the flank wear curve and associated cutting tool life improvement**
Altan E., Uysal A., Çalışkan O.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, cilt.57, ss.54-70, 2018 (SCI-Expanded)
- XXIX. **Surface Roughness in Nanofluid Minimum Quantity Lubrication Milling of AISI 430 Ferritic Stainless Steel**
UYSAL A.
JOURNAL OF TESTING AND EVALUATION, cilt.45, sa.3, ss.933-939, 2017 (SCI-Expanded)
- XXX. **Investigation of cutting temperature in minimum quantity lubrication milling of ferritic stainless steel by using multi wall carbon nanotube reinforced cutting fluid**
UYSAL A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.32, sa.3, ss.645-650, 2017 (SCI-Expanded)
- XXXI. **Effect of work hardening of cobalt in sintered carbide cutting tool on tool failure during interrupted cutting**
ALTAN E., UYSAL A., ANAC S. H., Ozturk S.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.88, ss.359-367, 2017 (SCI-Expanded)
- XXXII. **Slip-line field modelling of rounded-edge cutting tool for orthogonal machining**
Uysal A., Altan E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, cilt.230, ss.1925-1941, 2016 (SCI-Expanded)
- XXXIII. **Cutting parameters for optimum surface roughness during end milling of carbon fiber reinforced composites**
UYSAL A.
MATERIALS TESTING, cilt.58, sa.6, ss.588-593, 2016 (SCI-Expanded)
- XXXIV. **Surface Roughness in Drilling of Electrically Conductive Polyamide**

- Uysal A., Altan E.
ACTA PHYSICA POLONICA A, cilt.129, ss.442-444, 2016 (SCI-Expanded)
- XXXV. **Investigation of Surface Roughness and Chip Forms in Milling of Stainless Steel by MQL Method**
Uysal A., Demiren F., Altan E.
ACTA PHYSICA POLONICA A, cilt.129, ss.439-441, 2016 (SCI-Expanded)
- XXXVI. **Investigation of flank wear in MQL milling of ferritic stainless steel by using nano graphene reinforced vegetable cutting fluid**
UYSAL A.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.68, sa.4, ss.446-451, 2016 (SCI-Expanded)
- XXXVII. **Quality during milling of a glass fiber reinforced polymer composite**
UYSAL A., Altan M.
MATERIALS TESTING, cilt.57, sa.9, ss.767-772, 2015 (SCI-Expanded)
- XXXVIII. **Surface Roughness of Milled Sheet Molding Compound Composites**
UYSAL A., ALTAN M.
ACTA PHYSICA POLONICA A, cilt.127, sa.4, ss.1218-1220, 2015 (SCI-Expanded)
- XXXIX. **An experimental study on dead metal zone in orthogonal cutting with worn rounded-edge cutting tools**
Uysal A., Ozturk S., Altan E.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, cilt.51, ss.401-412, 2015 (SCI-Expanded)
- XL. **A Study on Drilling of AISI 304L Stainless Steel with Nanocomposite-Coated Drill Tools**
Uysal A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.39, sa.11, ss.8279-8285, 2014 (SCI-Expanded)
- XLI. **Experimental investigation of a slip-line field model for a worn cutting tool**
Uysal A., Altan E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.228, ss.1398-1404, 2014 (SCI-Expanded)
- XLII. **Effects of process parameters on surface roughness in saw cutting of polypropylene/TiO₂ nano composites**
ALTAN M., UYSAL A., ALTAN E.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, cilt.36, sa.3, ss.615-621, 2014 (SCI-Expanded)
- XLIII. **A NEW SLIP-LINE FIELD MODELING OF ORTHOGONAL MACHINING WITH A ROUNDED-EDGE WORN CUTTING TOOL**
Uysal A., Altan E.
MACHINING SCIENCE AND TECHNOLOGY, cilt.18, ss.386-423, 2014 (SCI-Expanded)
- XLIV. **Metallographic Analysis of the Dead Metal Zone In Metal Cutting With a Rounded-Edge Tool**
Ozturk S., UYSAL A., ALTAN E.
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, cilt.50, sa.5, ss.318-330, 2013 (SCI-Expanded)
- XLV. **Effects of cutting parameters on tool wear in drilling of polymer composite by Taguchi method**
UYSAL A., ALTAN M., ALTAN E.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.58, ss.915-921, 2012 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Examining the Effect of the Fe₃O₄-Doped Nanofluid MQL Method on the Machining Performance of Al-Mg-Si Alloy**
Yücel M., Aydın A., Sağdıç Ö. F., Yapan Y. F., Uysal A.
Advances in Machinery, Materials Science and Engineering Application X, cilt.58, ss.148-153, 2024 (Scopus)
- II. **Surface Roughness Assessment After Milling of Pure and Carbon Black Reinforced Polypropylene**

Materials

Akn A. H., Yapan Y. F., Kusyj Y., Ivanov V., Uysal A.

LECTURE NOTES IN MECHANICAL ENGINEERING, cilt.1, ss.251-263, 2023 (Scopus)

- III. **Dimensional Accuracy of Porous Structures Manufactured Using Air Controller**
EMİR E., BAHÇE E., UYSAL A., Dzhemilov E.
LECTURE NOTES IN MECHANICAL ENGINEERING, ss.90-97, 2022 (Scopus)
- IV. **Ensuring the Quality of Conical Mating Surfaces Processing by Diamond Honing**
Dzhemilov E., UYSAL A., Yakubov C., Dzhemalyadinov R.
LECTURE NOTES IN MECHANICAL ENGINEERING, ss.232-241, 2022 (Scopus)
- V. **Improvement of the MQL Efficiency in Machining Stainless Steel by Adding Nanoparticles to the Cutting Fluid**
Touggui Y., UYSAL A., EMİROĞLU U., Dzhemilov E., Belhadi S.
LECTURE NOTES IN MECHANICAL ENGINEERING, ss.219-228, 2021 (Scopus)
- VI. **An Experimental and Statistical Investigation on Cutting Forces in Turning of AISI 304 Stainless Steel under Dry, MQL and Nanofluid MQL Conditions**
Touggui Y., UYSAL A., EMİROĞLU U., Dzhemilov E.
LECTURE NOTES IN MECHANICAL ENGINEERING, cilt.1, ss.513-522, 2021 (Scopus)
- VII. **Cutting and Thrust Forces in Face Turning of Ti6Al4V under Various Cutting Environments**
UYSAL A.
Sigma Journal of Engineering and Natural Sciences, cilt.39, sa.1, ss.39-44, 2021 (ESCI)
- VIII. **Minimizing Surface Roughness and Radius Error in Laser Cutting of EN10346 Steel Plate**
Kangal A. M., UYSAL A., Dzhemilov E., Dzhemalyadinov R.
Lecture Notes in Mechanical Engineering: Advanced Manufacturing Processes II, cilt.1, sa.1, ss.394-401, 2021 (Scopus)
- IX. **Effect of MWCNT on Surface Roughness and Burr Height in MQL Milling of AISI 430 Ferritic Stainless Steel**
UYSAL A., Dzhemilov E., Dzhemalyadinov R.
Ukrainian Journal of Mechanical Engineering and Materials Science, cilt.6, sa.1, ss.8-13, 2020 (Hakemli Dergi)
- X. **The Influence of Milling Parameters on Cutting Forces in High-speed Milling of Polymer Materials**
UYSAL A., Dzhemilov E., Dzhemalyadinov R.
LECTURE NOTES IN MECHANICAL ENGINEERING, cilt.1, ss.462-470, 2020 (Scopus)
- XI. **Multi-objective optimization of turning parameters for targeting surface roughness and maximizing material removal rate in dry turning of AISI 316L with PVD-coated cermet insert**
Touggui Y., Belhadi S., Mechraoui S., Uysal A., Yallese M. A., Temmar M.
SN APPLIED SCIENCES, cilt.2, 2020 (ESCI)
- XII. **Minimizing Carbon Emissions and Machining Costs with Improved Human Health in Sustainable Machining of Austenitic Stainless Steel through Multi-objective Optimisation**
UYSAL A., Caudill J. R., Schoop J., Jawahir I. S.
INTERNATIONAL JOURNAL OF SUSTAINABLE MANUFACTURING, cilt.4, sa.2-4, ss.281-299, 2020 (Scopus)
- XIII. **Analyzing Optimum Process Parameters in Laser Cutting of EN10025-2 Steel Plate**
Kangal A. M., UYSAL A.
Journal of Advances in Manufacturing Engineering, cilt.1, sa.1, ss.23-28, 2020 (Hakemli Dergi)
- XIV. **An Investigation of Process Performance when Drilling Carbon Fiber Reinforced Polymer (CFRP) Composite under Dry, Cryogenic and MQL Environments**
Nagaraj A., UYSAL A., Jawahir I. S.
PROCEDIA MANUFACTURING, cilt.43, ss.551-558, 2020 (Scopus)
- XV. **Validation of the Slip-line Model for Serrated Chip Formation in Orthogonal Turning under Dry and MQL Conditions**
Uysal A., Jawahir I.
Procedia CIRP, cilt.82, ss.124-129, 2019 (Hakemli Dergi)
- XVI. **Alüminyum 6061 Malzemenin MQL Yöntemi ile Frezelenmesinde Nano MoS₂ Katkılı Kesme Sıvısı**

Kullanımının Kesme Kuvvetleri ve Yüzey Pürüzlülüğüne Etkilerinin İncelenmesi

Conger D. B., EMİROĞLU U., UYSAL A., ALTAN E.

Makina Tasarım ve İmalat Dergisi, cilt.17, sa.1, ss.31-37, 2019 (Hakemli Dergi)

- XVII. **An Experimental Study on Cutting Temperature and Burr in Milling of Ferritic Stainless Steel under MQL using Nano Graphene Reinforced Cutting Fluid**
UYSAL A.
Advanced Materials Proceedings, cilt.2, sa.9, ss.560-563, 2017 (Hakemli Dergi)
- XVIII. **Ferritik Paslanmaz Çeliğin Nano MoS₂ Parçacık Takviyeli Kesme Sıvısı Kullanılarak MQL Yöntemi ile Frezelenmesinde Yüzey Pürüzlülüğünün İncelenmesi**
UYSAL A.
DUMF Mühendislik Dergisi, cilt.7, ss.151-158, 2016 (Hakemli Dergi)
- XIX. **Karbon Siyahı Takviyeli Elektrikli İleten Polipropilen Kompozite Delik Delinmesinde İşlem Parametrelerinin İncelenmesi**
UYSAL A., ALTAN E.
Politeknik Dergisi, cilt.18, ss.241-249, 2015 (Hakemli Dergi)
- XX. **Effect of Ploughing Force on Cutting Forces in Micro-Milling with a Rounded-Edge Cutting Tool**
Uysal A., Altan E.
Materials Today: Proceedings, cilt.2, sa.1, ss.224-229, 2015 (Hakemli Dergi)
- XXI. **Applying Minimum Quantity Lubrication MQL Method on Milling of Martensitic Stainless Steel by Using Nano Mos₂ Reinforced Vegetable Cutting Fluid**
Uysal A., Furkan D., Altan E.
Procedia - Social and Behavioral Sciences, cilt.195, ss.2742-2747, 2015 (Hakemli Dergi)
- XXII. **RELATION BETWEEN DRILL BIT TEMPERATURE AND CHIP FORMS IN DRILLING OF CARBON BLACK REINFORCED POLYAMIDE**
UYSAL A.
JOURNAL OF THERMAL ENGINEERING, cilt.1, sa.7, ss.655-658, 2015 (ESCI)
- XXIII. **Kesici Ağzı Yuvarlatılmış Aşınmış Takımlarla Ortogonal Talaş Kaldırmada Kesme Kuvvetlerinin Deneysel İncelenmesi**
Uysal A., Altan E.
Sigma Mühendislik ve Fen Bilimleri Dergisi, cilt.31, ss.350-362, 2013 (Hakemli Dergi)
- XXIV. **Effects of Micro and Nano Inorganics Particles on the Mechanical Properties of Polypropylene**
ALTAN M., YILDIRIM H., UYSAL A.
Academic Journal of Science, cilt.1, sa.3, ss.15-24, 2012 (Hakemli Dergi)
- XXV. **A Slip Line Approach to the Micro Cutting Process with a Rounded Edge Tool**
UYSAL A., ÖZTÜRK S., ALTAN E.
Advanced Materials Research, cilt.445, ss.56-61, 2012 (Scopus)
- XXVI. **Analysis of Variance and Linear Regression Models of Cutting Forces in Orthogonal Cutting with Rounded Edge Worn Cutting Tools**
UYSAL A., ALTAN E.
Academic Journal of Science, cilt.1, sa.3, ss.7-13, 2012 (Hakemli Dergi)
- XXVII. **Tensile Properties of Polypropylene Metal Oxide Nano Composites**
ALTAN M., YILDIRIM H., UYSAL A.
The Online Journal of Science and Technology, cilt.1, sa.1, ss.25-30, 2011 (Hakemli Dergi)
- XXVIII. **Investigation of the Effects of Cutting Parameters on Surface Roughness in Drilling of Polymer Composite Materials**
UYSAL A.
International Journal of Arts & Sciences, cilt.3, sa.1, ss.27-32, 2009 (Hakemli Dergi)
- XXIX. **Biyolojik İmalat Sistemleri**
UYSAL A., ALTAN E.
TT Magazin, cilt.1, sa.25, ss.64-68, 2008 (Hakemli Dergi)
- XXX. **Biyolojik Talaş Kaldırma Yöntemi**

UYSAL A., ALTAN E.

Mühendis ve Makina, cilt.1, sa.583, ss.17-22, 2008 (Hakemli Dergi)

XXXI. Rüzgar Türbini Rotor Kanatlarında Kullanılan Malzemeler

Akdogan A., UYSAL A., Eker B.

MakinaTek, cilt.1, sa.123, ss.92-98, 2008 (Hakemli Dergi)

XXXII. Yatay Eksenli Rüzgar Türbini Bileşenleri

UYSAL A., Akdogan A., Eker B.

Electrotech, cilt.1, sa.165, ss.158-166, 2008 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. Ultrasonic Vibration-Assisted Machining with Minimum Quantity Lubrication for Aerospace Materials

Duman E., Yapan Y. F., Uysal A., Sofuoğlu M. A.

Advances in Manufacturing for Aerospace Alloys, Selim Gürgen, Editör, Springer Nature, Eskişehir, ss.47-76, 2024

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. An Impact of the Cutting Fluid Supply on Contact Processes During Drilling AISI 321 Stainless Steel

Dzhemilov E., Bekirov E., Dzhemalyadinov R., UYSAL A.

5th Grabchenko's International Conference on Advanced Manufacturing Processes, InterPartner-2023, Odessa, Ukrayna, 5 - 08 Eylül 2023, ss.145-153

II. Ensuring Tool Run-In When Milling AISI321 Steel in Various Technological Environments

Dzhemilov E., UYSAL A., ÇAKIR O., Dzhemalyadinov R., Vaniev E.

7th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE 2024, Pilsen, Çek Cumhuriyeti, 4 - 07 Haziran 2024, ss.188-199

III. Effects of Cutting Parameters on Surface Roughness and Flank Wear in Face Turning of Inconel 718

Usluer E., İrfan Ö., UYSAL A., Dzhemalyadinov R., Dzhemilov E.

17th International Conference on Interdisciplinarity in Engineering, INTER-ENG 2023, Targu-Mures, Romanya, 5 - 06 Ekim 2023, cilt.926 LNNS, ss.69-78

IV. Dimensional Accuracy of Porous Structures Manufactured Using Air Controller

Emir E., BAHÇE E., UYSAL A., Dzhemilov E.

4th Grabchenko's International Conference on Advanced Manufacturing Processes, InterPartner 2022, Odessa, Ukrayna, 6 - 09 Eylül 2022, ss.90-97

V. An Impact of the Cutting Fluid Supply on Contact Processes During Drilling

Dzhemilov E., Bekirov E., UYSAL A., Dzhemalyadinov R.

6th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE 2023, High Tatras, Slovakya, 6 - 09 Haziran 2023, ss.195-204

VI. Improving the Accuracy of Deep Hole Machining by Diamond Honing Process in 41Cr4 Steel Parts

Dzhemilov E., Uysal A.

International Conference on Modern Trends in Manufacturing Technologies and Equipment 2020 (ICMTMTE 2020), Sevastopol, Ukrayna, 7 - 11 Eylül 2020, cilt.971, ss.1-5

VII. Delamination Factors in Drilling of Small Holes on GFRP Composite Produced by Additive Manufacturing Method

Ozcakir B., EMİROĞLU U., UYSAL A.

5th International Conference on Advances in Mechanical Engineering: ICAME 2019, İstanbul, Türkiye, 17 - 19 Aralık 2019, ss.253-257

VIII. An Experimental Research on MQL Milling of Al6061 through Double Nozzles

Conger D. B., EMİROĞLU U., UYSAL A., ALTAN E.

10th International Symposium on Machining (UTIS 2019), Antalya, Türkiye, 7 - 09 Kasım 2019, ss.287-292

- IX. Serrated Chip Formation in Turning of AISI 304 Stainless Steel under Various Cooling/Lubricating Conditions**
UYSAL A.
10th International Symposium on Machining (UTIS 2019), Antalya, Türkiye, 7 - 09 Kasım 2019, ss.357-362
- X. ANOVA Optimization of Drill Bit Temperature in Drilling of Pure and Carbon Black Reinforced High Density Polyethylene**
UYSAL A.
14th International Conference of Constructive Design and Technological Optimization in Machine Building (OPROTEH 2019), Bacau, Romanya, 22 - 24 Mayıs 2019
- XI. An Experimental Study on Cutting Forces and Surface Roughness in MQL Milling of Aluminum 6061**
Conger D. B., EMİROĞLU U., UYSAL A., ALTAN E.
16th International Scientific Congress: Machines, Technologies, Materials (MTM 2019), Borovets, Bulgaristan, 13 - 16 Mart 2019, ss.67-70
- XII. Cutting Forces in Sustainable Turning of AISI 304 Austenitic Stainless Steel**
UYSAL A.
4th International Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Türkiye, 19 - 21 Aralık 2018, ss.1146-1149
- XIII. Multi-objective Optimization of Insert Clamping Methods and Cutting Parameters in Turning of AISI 1040 Carbon Steel**
UYSAL A., ERYILDIZ E., ALTAN E.
4th International Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Türkiye, 19 - 21 Aralık 2018, ss.1227-1233
- XIV. A Slip-line Model for Serrated Chip Formation in Machining with Sharp Cutting Tool and Validation**
UYSAL A.
4th International Conference on Advances in Mechanical Engineering (ICAME 2018), İstanbul, Türkiye, 19 - 21 Aralık 2018, ss.1150-1155
- XV. Optimization of Carbon Emissions, Human Health and Coolant/Lubricant Costs in Sustainable Machining of Austenitic Stainless Steel**
UYSAL A., CAUDİLL J. R., JAWAHİR I. S.
9th International Symposium On Machining (UTIS 2018), Antalya, Türkiye, 8 - 10 Kasım 2018, ss.367-376
- XVI. Martenzitik Paslanmaz Çeliğin MQL Yöntemi Kullanılarak Frezelenmesinde Kesme Sıvısına MWCNT Katkısının Takım Aşınması Değerlendirilerek İncelenmesi**
UYSAL A., DEMİREN F., ALTAN E.
9th International Symposium On Machining (UTIS 2018), Antalya, Türkiye, 11 Ağustos - 11 Ekim 2018, ss.312-317
- XVII. Epoksi Esaslı Nanokompozitlerin Yüksek Hızlı Frezelenmesinde MWCNT ve Nano Grafen Katkısının Kesme Kuvvetleri ve Yüzey Pürüzlülüğüne Etkileri**
EMİROĞLU U., UYSAL A., ALTAN E.
8th International Symposium On Machining (UTIS 2017), Antalya, Türkiye, 2 - 04 Kasım 2017, ss.265-272
- XVIII. POM ve PE Polimer Malzemelerin Delinmesinde Yüzey Pürüzlülüğü**
Çelikyay N. B., UYSAL A., ÇAKIR O.
8th International Symposium On Machining (UTIS 2017), Antalya, Türkiye, 2 - 04 Kasım 2017, ss.219-224
- XIX. Drill Tool Flank Wear in Drilling of Pure and Carbon Black Reinforced High Density Polyethylene**
UYSAL A.
International Science and Technology Conference (ISTEC 2017), Berlin, Almanya, 17 - 19 Temmuz 2017
- XX. Cutting Temperature in MQL Milling of Ferritic Stainless Steel When Using Nano MoS₂ Reinforced Cutting Fluid**
UYSAL A.
International Conference On Energy and Thermal Engineering: Istanbul 2017, İstanbul, Türkiye, 25 - 28 Nisan 2017, ss.446-449
- XXI. An Experimental Study on Cutting Temperature and Chip Forms in Drilling Carbon Black Reinforced HDPE Composite**

- UYSAL A., ALTAN E.
International Conference On Energy and Thermal Engineering: Istanbul 2017, İstanbul, Türkiye, 25 - 28 Nisan 2017, ss.450-455
- XXII. **MWCNT Katkılı Nanokompozit ile Kesici Ucu Yapıştırılmış Takımların Tornalama Performanslarının Deneysel İncelenmesi**
ERYILDIZ E., UYSAL A., ALTAN E.
7th International Symposium On Machining (UTIS 2016), İstanbul, Türkiye, 3 - 05 Kasım 2016, ss.394-401
- XXIII. **Karbon Çeliğinin Frezelenmesinde Talaş Kaldırma Parametrelerinin Yüzey Pürüzlülüğüne Etkilerinin İstatistiksel Olarak İncelenmesi**
EMİROĞLU U., UYSAL A.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.1431-1437
- XXIV. **Surface Roughness in Milling of AISI 430 Stainless Steel by MQL Method Using MWCNT Reinforced Vegetable Cutting Fluid**
UYSAL A.
The 17th International Conference on Machine Design and Production, Bursa, Türkiye, 12 - 15 Temmuz 2016
- XXV. **A Study on Shear Strength of Single Lap Joints Bonded by Nano Graphene Reinforced Epoxy Adhesive**
ERYILDIZ E., UYSAL A., ALTAN E.
2nd International Conference on Advances in Mechanical Engineering (ICAME2016), İstanbul, Türkiye, 10 - 13 Mayıs 2016, ss.207-210
- XXVI. **An Experimental Study on Drill Temperature in Drilling of Pure and Carbon Black Reinforced Polymers**
UYSAL A., ALTAN E.
2nd International Conference on Advances in Mechanical Engineering (ICAME2016), İstanbul, Türkiye, 10 - 13 Mayıs 2016, ss.371-375
- XXVII. **AISI 304 Paslanmaz Çeliğin Nano Grafen Katkılı Bitkisel Esaslı Kesme Sıvısı ve MQL Yöntemi Kullanılarak Frezelenmesinde Takım Aşınması**
UYSAL A., Furkan D., ALTAN E.
6. Ulusal Talaşlı İmalat Sempozyumu (UTIS 2015), Türkiye, 5 - 07 Kasım 2015, ss.356-363
- XXVIII. **Yalın ve Karbon Siyahı Katkılı Polipropilen ve Polyamid Malzemelerin Matkapla Delinmesinde Takım Aşınması**
UYSAL A., ALTAN E.
1. Ulusal Plastik Teknolojileri Sempozyumu: Plastikler, Polimer Kompozitler, Şekillendirme Teknolojileri (UPTS'2015), Türkiye, 15 - 16 Ekim 2015, ss.181-188
- XXIX. **Investigating the Effects of Drilling Parameters on Drill Bit Temperature in Drilling of Carbon Black Reinforced Polyamide using Taguchi Method**
UYSAL A., ALTAN E.
International Conference on Computing, Mechanical and Electronics Engineering, Singapore, Singapur, 9 - 10 Temmuz 2015, ss.11-16
- XXX. **Kesici Kenarı Yuvarlatılmış Aşınmış Takım ile Talaş Kaldırmada Dalma Kuvveti**
UYSAL A., ALTAN E.
5. Ulusal Talaşlı İmalat Sempozyumu, Bursa, Türkiye, 23 - 25 Ekim 2014, ss.181-189
- XXXI. **Kesici Kenarı Yuvarlatılmış Takımlar ile Ortogonal Talaş Kaldırmada Ölü Bölge Oluşumunun Deneysel İncelenmesi**
UYSAL A., ÖZTÜRK S., ALTAN E.
4. Ulusal Talaşlı İmalat Sempozyumu, Türkiye, 7 - 09 Kasım 2013, cilt.1, ss.259-266
- XXXII. **Aşınmış Kesici Takımlar ile Ortogonal Talaş Kaldırmada Kesme Kuvvetlerinin Deneysel İncelenmesi**
UYSAL A., ALTAN E.
3. Ulusal Tasarım İmalat ve Analiz Kongresi, Türkiye, 29 - 30 Kasım 2012, cilt.1, ss.145-152
- XXXIII. **Ultra Yüksek Moleküler Ağırlıklı Polietilenin Matkapla Delinmesinde Delik Hassasiyetinin Pratik Bir**

Yöntemle Belirlenmesi

ALTAN M., UYSAL A.

3. Ulusal Tasarım İmalat ve Analiz Kongresi, Türkiye, 29 - 30 Kasım 2012, cilt.1, ss.153-159

XXXIV. **Prediction of Chip Thickness and Chip Up Curl Radius by a New Slip Line Field Model for Orthogonal Machining with Sharp Cutting Tool**

UYSAL A., ALTAN E.

2nd International Scientific Conference on Engineering: Manufacturing and Advanced Technologies, 22 - 24 Kasım 2012, cilt.1, ss.51-54

XXXV. **Ortogonal Talaş Kaldırmada Kesici Ağız Yuvarlatma Yarıçapının Kesme Kuvvetlerine Etkilerinin Deneysel İncelenmesi**

UYSAL A., ALTAN E.

3. Ulusal Talaşlı İmalat Sempozyumu, Türkiye, 4 - 05 Ekim 2012, cilt.1, ss.302-312

XXXVI. **Yüksek Manganlı Çeliğin Kesici Ağız Yuvarlatılmış Sert Metal Takımlar ile Ortogonal Tornalanmasında Takım Ömrü**

Kiyak M., UYSAL A., ÇAKIR O., ALTAN E.

3. Ulusal Talaşlı İmalat Sempozyumu, Türkiye, 4 - 05 Ekim 2012, cilt.1, ss.496-502

XXXVII. **Frezeleme İşleminde Kesme ve İlerleme Hızlarının Yüzey Pürüzlülüğü Üzerine Etkilerinin İncelenmesi**

Kiyak M., UYSAL A., ÇAKIR O.

The 15th International Conference on Machine Design and Production, 19 - 22 Haziran 2012, cilt.3, ss.1173-1181

XXXVIII. **Nano Partikül Takviyeli Polimer Matrisli Kompozitlerin Testere ile Kesilmesinde İşlem Parametrelerinin Yüzey Pürüzlülüğüne Etkilerinin İncelenmesi**

ALTAN M., UYSAL A., ALTAN E.

VI. Makina Tasarım ve İmalat Teknolojileri Kongresi, Türkiye, 22 - 23 Ekim 2011, cilt.1, ss.375-379

XXXIX. **A New Slip Line Field Modeling of Orthogonal Machining for a Worn Tool**

UYSAL A., ALTAN E.

International Symposium on Models and Modeling Methodologies in Science and Engineering: MMMse 2011, 19 - 22 Temmuz 2011, cilt.3, ss.193-198

XL. **Polimer Kompozit Malzemelerin Matkapla Delinmesinde Kesme Parametrelerinin Takım Aşınması ve Delik Pürüzlülüğüne Etkilerinin İncelenmesi**

UYSAL A., Kiyak M., ALTAN E.

V. Makina Tasarım ve İmalat Teknolojileri Kongresi, Türkiye, 17 - 18 Ekim 2009, cilt.1, ss.365-373

XLI. **Stress Strain Characteristics of Glass Fiber Reinforced Plastic As Wind Turbine Blade Materials**

UYSAL A., Akdoğan Eker A., Bulent E.

Conference of The International Journal of Arts & Sciences, 1 - 04 Haziran 2009, cilt.1, sa.18, ss.72-88

XLII. **Rüzgar Türbini Kanat Malzemesi Olarak Kullanılan Cam Takviyeli Kompozit Malzemelerde Balsa Takviyesinin Gerilme Gerinme Karakteristiklerine Etkisi**

UYSAL A., Akdoğan Eker A., Eker B.

12. Uluslararası Malzeme Sempozyumu, 15 - 17 Ekim 2008, cilt.2, ss.1061-1067

XLIII. **Havacılık Alanında Teknolojik Malzeme Kullanımı**

UYSAL A., Akdoğan Ekler A.

VII. Havacılık Sempozyumu, Türkiye, 15 - 16 Mayıs 2008, cilt.1, ss.129-137

Desteklenen Projeler

UYSAL A., Duman E., Yükseköğretim Kurumları Destekli Proje, Titanyum Alaşımının Hibrit Nano Akışkan Kullanılan Minimum Miktarda Yağlama Yöntemi ile Ultrasonik Titreşim Destekli Sürdürülebilir Talaşlı İmalatının Araştırılması, 2022 - Devam Ediyor

UYSAL A., USLU UYSAL M., Yükseköğretim Kurumları Destekli Proje, Nano Grafen ve Çok Duvarlı Karbon Nanotüp Katkılı Epoksi Bazlı Yapıştırıcıların Geliştirilmesi ve Kesici Takımlarda Kullanılması, 2015 - 2018

ÇAKIR O., ALTAN E., UYSAL A., Yükseköğretim Kurumları Destekli Proje, MAGNEZYUM VE ALAŞIMLARININ KİMYASAL

İŞLENMESİ, 2015 - 2018

UYSAL A., Yükseköğretim Kurumları Destekli Proje, Elektriği İleten Polimer Kompozit Malzemelerin Matkaplanmasında İşlem Parametrelerinin Kesme Performansına Etkilerinin İncelenmesi, 2014 - 2016

UYSAL A., TÜBİTAK Projesi, Östenitik ve Martenzitik Paslanmaz Çeliklerin Nano Akışkan Kullanılarak MQL (Minimum Miktarda Yağlama) Yöntemi ile Sürdürülebilir Frezelenmesi, 2014 - 2015

ALTAN M., TÜBİTAK Projesi, Yüksek Yoğunluklu Polietilenin ve Polipropilenin Antibakteriyel ve Mekanik Özelliklerinin Nano Boyutlu TiO₂ ve ZnO Tozların Katkısı ile Geliştirilmesi, 2009 - 2011

Patent

Uysal A., Altan E., Eryıldız E., Kalın ve İnce Talaş Kaldırma Operasyonunun Tek Seferde Ardışık Olarak Yapılmasına İmkan Sağlayan Tornalama Kateri, Patent, BÖLÜM F Makine Mühendisliği; Aydınlatma; Isıtma; Silahlar; Tahrip Malzemeleri, Buluşun Tescil No: TR 2017 18915 B , Standart Tescil, 2021

Bilimsel Hakemlikler

SIGMA Mühendislik ve Fen Bilimleri Dergisi, SCI Kapsamındaki Dergi, Devam Ediyor

Industrial Lubrication and Tribology, SCI Kapsamındaki Dergi, Kasım 2016

International Journal of Mechanical Sciences, SCI Kapsamındaki Dergi, Ekim 2016

Metallurgical and Materials Transactions A, SCI Kapsamındaki Dergi, Eylül 2016

Politeknik Dergisi, Hakemli Bilimsel Dergi, Ağustos 2016

Advances in Polymer Technology, SCI Kapsamındaki Dergi, Ağustos 2016

International Journal of Engineering Technologies, SCI Kapsamındaki Dergi, Mayıs 2016

International Journal of Production Research, SCI Kapsamındaki Dergi, Şubat 2016

International Journal of Automotive and Mechanical Engineering (IJAME), SCI Kapsamındaki Dergi, Kasım 2015

Mechanical Systems and Signal Processing, SCI Kapsamındaki Dergi, Kasım 2015

Journal of Thermal Engineering, SCI Kapsamındaki Dergi, Haziran 2015

Machining Science and Technology, SCI Kapsamındaki Dergi, Mayıs 2015

Proceedings of the Institution of Mechanical Engineers Part B – Journal of Engineering Manufacture, SCI Kapsamındaki Dergi, Nisan 2014

Journal of Mechanical Science and Technology, SCI Kapsamındaki Dergi, Temmuz 2013

Stojniski vestnik - Journal of Mechanical Engineering, SCI Kapsamındaki Dergi, Temmuz 2013

Metallurgical and Materials Transactions B, SCI Kapsamındaki Dergi, Mayıs 2013

Journal of Reinforced Plastics and Composites dergisinde, SCI Kapsamındaki Dergi, Kasım 2011

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