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PERSONAL

Date of Birth	24.02.1939
Place of Birth	Ankara

EDUCATION

1961-1966	Imperial College of Science & Technology, University of London, Applied Mechanics, Ph.D.
1960-1961	Imperial College of Science & Technology, University of London, Applied Mechanics, M.S.
1956-1960	Middle East Technical University, Mechanical Engineering, B.S.

ACADEMIC POSITIONS

September/2008- Now	Professor, Department of Manufacturing Engineering, Atılım University, Turkey
August/1969- August/2008	Professor, Department of Mechanical Engineering Middle East Technical University, Turkey
August/1981- January/1984	Visiting Professor, Mechanical & Aerospace Engineering Department, Oklahoma State University, U.S.A.
September/1966- June/1969	Professor, Department of Mechanical Engineering Ottawa University, Canada

ADMINISTRATIVE DUTIES

September/2011- Now	Chairman of BOREN Center of Competence for Boron Coatings, ATILIM University
August/2013- April/2017	Chairman of Executive Board, Metal Forming Center of Excellence, ATILIM University
September/2008- August/2013	Chairman of Manufacturing Engineering Department, ATILIM University
July/1987- July 1992	Vice President, Middle East Technical University
June/1984- June 1987	Director of Graduate School of Natural and Applied Sciences, Middle East Technical University
January/1984- May/1992	Founding Director of CAD/CAM Robotic Center, Middle East Technical University
May/1977- August/1981	Founding Director of Mechanical Design and Manufacturing Research Center, Middle East Technical University
September/1973- April/1977	Chairman of Department of Mechanical Engineering, Middle East Technical University
September/1971- September/1973	Assistant Chairman of Department of Mechanical Engineering, Middle East Technical University

HONORS&AWARDS

1	AFS Scholarship to study in St. Louis Park High School, Minnesota, USA 1955-56
2	Rector Profesör Woolrich Award- Graduate having highest GPA in Middle East Technical University (METU) in 1960, Ankara, Turkey
3	CENTO Fellowship to carry out graduate study towards Ph.D. degree at Imperial College of Science & Technology, London, UK
4	High Academic Performance Awards-Middle East Technical University (METU), Ankara, Turkey for the years: 2000,2001,2002,2003,2004,2005
5	Award for the highest number of graduate thesis supervision in Manufacturing given by National Export Agency-2012
6	Award for the best Ph.D. thesis supervision of the year by METU-Parlar Foundation- 2013
7	Award for the high technology thesis on boron nitride coating given by National Export Agency-2013
8	VII. Necdet Eraslan project competition, Istanbul Mechanical Engineering Society- Finalist in 2015
9	Dr. Akin Çakmakçı Turkish Technology Foundation (TTGV) – Thesis Award- Finalist 2016
10	Antibacterial/Antifungal characteristics of Boron Nitride Coatings- Finalist- National Export Agency-2018
11	Osteoblastic characteristics of Boron Nitride Coatings- Finalist- National Export Agency-2018
12	High academic performance and publication awards-ATILIM University for the years: 2008-2021

RESEARCH INTERESTS

1	Metal Forming
2	Boron Nitride Coating
3	Computer Aided Design
4	Computer Aided Manufacturing
5	Computer Integrated Manufacturing
6	Robotics
7	Tribology

PROFESSIONAL SERVICE

1	Publisher, Journal of Mechanical Design and Production
2	Editorial and Referee contributions to International Journal of Mechatronics and Manufacturing Systems, JAMT, MATİM, PAJES, CIRP, Elsevier and other journals.

PUBLICATIONS- Journal Papers

94	Ceylan Ç. , Duran B. , Koçyiğit O. , Koçer C. , Doğan B. , Hacıoğlu T. , Şengönül C. M. , Kaftanoğlu B. "Havacılık Endüstrisinde Kullanılmak Üzere Alüminyum Malzemelerin Korozyon Direncinin Arttırılması Amacıyla Yüzey Kaplaması Geliştirilmesi", Makina Tasarım ve İmalat Dergisi. 2021; 19(2): 82-87.
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93	A.E.S. Özhan, T. Hacaloğlu, B. Kaftanoğlu, "Development of hard, anti-reflective coating for mid wave infrared region", <i>Infrared Physics & Technology</i> (2021), doi: https://doi.org/10.1016/j.infrared.2021.103910
92.	Ahmet Özmeriç, Oğuzhan Tanoğlu, Mert Ocak, Hakan Hamdi Çelik, Ayşegül Fırat, Fevziye Figen Kaymaz, Gökhan Koca, Mehmet Şenes, Kadir Bahadır Alemdaroğlu, Serkan İltar, Tuğçe Hacaloğlu, Bilgin Kaftanoğlu, "Intramedullary implants coated with cubic boron nitride enhance bone fracture healing in a rat model", <i>JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY</i> Volume: 62 Article Number: 126599 Published: DEC 2020
91.	Çağlar Ceylan, Bahtiyar Duran, Osman Furkan Koçyiğit, Cem Koçer, Berkay Doğan, Tuğçe Hacaloğlu, Dr. Cemal Merih Şengönül, Prof. Dr. Bilgin Kaftanoğlu, "Havacılık Sanayiinde Kullanılan Alüminyum Alaşımlarının Korozyona Karşı Direncini Artırmak Üzere Yüzey Kaplamalarının Araştırılması", <i>Mühendis Makine Güncel</i> , Ağustos 2020, Sayfalar:47-51
90.	Ozel, Tugrul; Altay, Ayca; Kaftanoglu, Bilgin; et al., "Focus Variation Measurement and Prediction of Surface Texture Parameters Using Machine Learning in Laser Powder Bed Fusion <i>Journal Of Manufacturing Science And Engineering-Transactions of The ASME</i> Volume: 142 Issue: 1 Article Number: 011008 Published: JAN 2020
89	M. Yüksel, E.Kılınç, S. Kanberlioğlu, B.Güneri, B.Kaftanoğlu, Ş.Baytaroğlu, T. Hacaloğlu, "Taşınabilir Hafif Yüzey Taşlama Makinasının Tasarım ve İmalatı", <i>Makina Tasarım ve İmalat Dergisi</i> , Cilt:17 , Sayı:1 2019
88.	Tuğçe Hacaloğlu, Bilgin Kaftanoğlu, "Karbür Uçlar ve Titanyum Nitrür (TiN) Kaplamalı Karbür Uçlar ile Titanyum Alaşımı (Ti6Al4V) ve AISI 1045 Çeliği Arasında Sürtünme ve Aşınma Performansı Araştırması", <i>Makina Tasarım ve İmalat Dergisi</i> , Cilt 17, Sayı 2, Kasım 2019 /57-64
87.	Cakal, G. O.; Gokmenoglu, C.; Kaftanoglu, B., N. Özmeriç, "Surface Characterization and Corrosion Resistance of Boron Nitride Coated Titanium Dental Implants", <i>Protection of Metals and Physical Chemistry of Surfaces</i> , Volume: 55 Issue: 3 Pages: 608-614 Published: May 2019
86.	Kaushalendra Patel, Bilgin Kaftanoğlu, Tuğrul Özel1,"Micro textured cutting tool effects on cutting forces, volumetric wear and adhesion in dry turning of titanium alloy", <i>Int. J. Mechatronics and Manufacturing Systems</i> , Vol. 12, No: ¾, pp: 180-195
85.	Pepelnjak, T., Kayhan, E., Kaftanoglu, B.," Analysis of non-isothermal warm deep drawing of dual-phase DP600 steel" <i>international Journal of Material Forming</i> , Volume: 12, Issue: 2, Pages: 223-240 Published: March 2019
84.	Dizaji, S.A., Darendeliler, H., Kaftanoğlu, B. "A study on the constitutive equation effects in the fracture initiation of AA5450 sheets", (2019) <i>Lecture Notes in Mechanical Engineering</i> , pp. 78-83. DOI: 10.1007/978-981-13-0411-8_8
83.	Dizaji, Shahram Abbasnejad; Darendeliler, Haluk, Kaftanoglu, Bilgin, "Prediction of forming limit curve at fracture for sheet metal using new ductile fracture criterion", <i>European Journal of Mechanics A-Solids</i> , Volume: 69 Pages: 255-265 Published: MAY-JUN 2018
82.	Kayhan, Erdem; Kaftanoglu, Bilgin, "Experimental investigation of non-isothermal deep drawing of DP600 steel", <i>International Journal of Advanced Manufacturing Technology</i> , Volume: 99 Issue: 1-4 Special Issue: SI Pages: 695-706 Published: OCT 2018
81.	T. Pepelnjak & E. Kayhan & B. Kaftanoglu," Analysis of non-isothermal warm deep drawing of dual-phase DP600 steel", <i>International Journal of Material Forming</i> , THEMATIC ISSUE: ADVANCES IN MATERIAL FORMING SIMULATION, https://doi.org/10.1007/s12289-018-1400-0 , Accepted: 3 January 2018
80.	Dizaji, Shahram Abbasnejad; Darendeliler, Haluk; Kaftanoglu, Bilgin," A Study on the Constitutive Equation Effects in the Fracture Initiation of AA5450 Sheets", 15 July 2018, <i>Proceedings of the 7th International Conference on Fracture Fatigue and Wear</i> pp 78-83, Springer, Singapore. DOI https://doi.org/10.1007/978-981-13-0411-8_8

79.	K. Wegener, J. Mayr, M. Merklein, B. Behrens, T. Aoyama, M. Sulitka, J. Fleischer, P. Groche, B. Kaftanoğlu, N. Jochum, H. Möhring, "Fluid elements in machine tools", Keynote Paper, CIRP Annals-Manufacturing Technology, Vol: 66 (2017) S: 611-634 Kasım, 2017
78.	H.Kalkan, T. Hacaloğlu, B. Kaftanoğlu, "Experimental investigation of friction in deep drawing", The International Journal of Advanced Manufacturing Technology, Vol. 92, Issue 9-12, Sayfa: 3311-3318, DOI: 10.1007/s00170-017-0401-3, Ekim 2017
77.	B. Çetin, G. Durkaya, H.Kurtuldu, T.Hacaloğlu, M.Gürbüz, B. Kaftanoğlu, "Wear resistance performance of boron nitride coatings on end milling cutters", Int. J. Mechatronics and Manufacturing Systems, Vol. 10, No. 3, 2017
76.	Kalkan, H., Hacaloğlu, T., Kaftanoğlu, B., "Sac Şekillendirme İşleminde Sürtünmenin İncelenmesi", Makina Tasarım Dergisi, Sayı: 2, sayfa: 88-94, Kasım 2016.
75.	Kayhan, E., Kaftanoğlu, B., "Yüksek mukavemet çeliklerinin derin çekme oranlarının geliştirilmesi için yapılan deneysel çalışmalar", Makina Tasarım Dergisi, Sayı: 2, sayfa: 77-87, Kasım 2016.
74.	Gökmenoğlu, C., Özmeriç, N., Çakal, G., Dökmetaş, N., Ergene, C., Kaftanoğlu, B., "Coating of titanium implants with boron nitride by RF-magnetron sputtering", Bulletin of Materials Science, September 2016, Volume 39, Issue 5, pp 1363-1370
73.	Dizaji, SA, Darendeliler, H, Kaftanoğlu, B., "On the fracture prediction of 304L stainless steel sheets utilizing different hardening models", Numisheet, Journal of Physics: Conference Series 734 (2016) 032021 doi:10.1088/1742-6596/734/3/032021
72.	Şengönül M., Durgun İ., Dökmetaş N., Kalkan H., Kaftanoğlu, B., "Bor Nitrür Kaplamanın, Kaynak Çapaklarının Metal Aparat Yüzeylerine Yapışma Davranışlarına Etkisi", Makina Tasarım Dergisi, Cilt 1, Sayı:1, 2016, pp.23-30.
71.	Arisoy, YM,; Guo, CS., Kaftanoğlu, B., Özel, T., "Investigations on Microstructural Changes in Machining of Inconel 100 Alloy Using Face Turning Experiments and 3D Finite Element Simulations", International Journal Of Mechanical Sciences, Volume: 107, Pages: 80-92, DOI: 10.1016/j.ijmecsci.2016.01.009, Published: MAR 2016.
70.	Dizaji, SA, Darendeliler, H, Kaftanoğlu, B., "Effect of hardening models on different ductile fracture criteria in sheet metal forming", International Journal of Material Forming, Volume: 9, Issue: 3, Pages: 261-267, DOI: 10.1007/s12289-014-1188-5, Published: JUL 2016
69.	B. Kaftanoğlu, N. Dökmetaş, A. E. S. Özhan, T. Hacaloğlu, M. Kılıçkan, On Boron Nitride Coating of Metals, "Nano Studies ", 10, s.21-28, (2014)
68.	S.A.Dizaji, H.Darendeliler, B. Kaftanoğlu, Effect of hardening models on different ductile fracture criteria in sheet metal forming, "International Journal of Material Forming ", (Springer), s., (2014)
67.	Y. Karpat, O. Bahtiyar, B. Deger, B. Kaftanoğlu, Drilling of UD-CFRP Laminates with PCD Drills, "CIRP Annals ", 63, (Elsevier), s.81-84., (2014)
66.	B. Kaftanoğlu, N.Dökmetaş, An Environmentally Friendly Method of Cutting and Forming of Materials by c-BN Coated Tools, "International Journal of Sustainable Manufacturing (IJSM) ", 3, s.143-155, (2014)
65.	N.Dökmetaş, B.Kaftanoğlu, Boron Nitride (BN) Coating of Tools and Dies to Improve Performance in Manufacturing Applications, "International Journal of Mechatronics and Manufacturing Systems, IJMMS ", 7, (Inderscience), s., (2014)
64.	Kaftanoğlu, B., Dökmetaş, N., Performance of boron nitride coated tools and dies, "Advances in Production Engineering & Management ", 8, (Production Engineering Institute (PEI)), s.177-184, (2013)
63.	Çaglar, A.; Yamali, C.; Baker, Derek K, Kaftanoğlu B., MEASUREMENT OF SOLAR RADIATION IN ANKARA, "JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY ", Volume: 33, s.135-142, (2013)

62.	Y.Karpat, N. Polat, B. Kaftanođlu (2013). "Mechanistic force modeling for milling of carbon fiber reinforced polymers with double helix tools", CIRP Annals- Manufacturing Technology, presented at 63 rd CIRP General Assembly, 18-25 August, Copenhagen, Denmark.
61.	Solmus, Ismail; Rees, D. Andrew S.; Yamali, Cemil, Kaftanođlu, Bilgin, Numerical investigation of coupled heat and mass transfer inside the adsorbent bed of an adsorption cooling unit , "INTERNATIONAL JOURNAL OF REFRIGERATION ", Vol 35, s.652 -662
60.	Kaftanođlu B. TIAD - TT MAGAZIN / 46. Ocak - Őubat 2012 Sayısı / 10 Ocak 2012 / Kubik Bor Nitruir Kaplamalar Makalesi
59.	Kaftanođlu B., " Mühendisliđin GeliŐmesi ve İmalat Mühendisliđi", " Cumhuriyet Gazetesi, 08-06-2012
58.	Kaftanođlu B., " Yenilikçilik (Innovation) ve Teknolojik GeliŐme", Cumhuriyet Gazetesi, 06-01-2012
57.	Kaftanođlu B., " Bir Ülkenin Sanayi GeliŐim Süreci", MOMENT-EXPO Dergisi, Haziran 2012, Sayı 49, pp: 24-25
56.	Kaftanođlu B., "Kübik Bor Nitruir Kaplamalar", TIAD-TT Magazin, Sayı 46, Ocak-Őubat 2012 pp: 46-48.
55.	SolmuŐ İ., Kaftanođlu B., Yamalı C., Baker D., Experimental Investigation of a Natural Zeolite-Water Adsorption Cooling Unit, Applied Energy, Vol.88(2011), 4206-4213.
54.	Celik, G., Kaftanođlu B., Karadođan C., Investigation of Influence Parameters on Forming Limit Diagrams of Aluminum Alloy-AA2024, Key Engineering Materials Vol. 473 (2011) pp 382-389 (2011) Trans Tech Publications, Switzerland
53.	Taylan, O, Baker, D., Kaftanođlu, B. (2011) Normalized Thermodynamic Model for Intermittent Energy Systems and Application to Solar-Powered Adsorption Cooling Systems. International Journal of Thermodynamics, Vol. 14, No. 3, pp. 107-115. DOI: 10.5541/ijot.289.
52.	Özel T., Thepsonthi T., Ulutan D., Kaftanođlu B., Experiments and Finite Element Simulations on Micro-Milling of Ti-6Al-4V Alloy with Uncoated and cBN coated Tools, CIRP-Annals- Manufacturing Technology (Elsevier), Vol: 60/1- 2011 pages: 85- 88.
51.	Çelik, G., Kaftanođlu B., Karadođan C., "AA2024 Alüminyum AlaŐımı için Őekillendirilebilme Sınır Diyagramlarını Etkileyen Parametrelerin İncelenmesi", Makina Tasarım ve İmalat Dergisi, , Cilt 12, Sayı 1, Mayıs 2011, pp: 28-33
50.	Yalcin S., Kaftanođlu B., "Derin Çekme İŐlemlerinde Plastik BuruŐma Analizi ve Modellemesi", Makina Tasarım ve İmalat Dergisi, Cilt 12, Sayı 1, Mayıs 2011, pp: 10-17
49.	Őanay B., Kaftanođlu B., "Sac Metal Őekillendirmesinde Plastik Kararsızlık ve Őekillendirme Limitlerinin Belirlenmesi", Makina Tasarım ve İmalat Dergisi, Cilt 12, Sayı 1, Mayıs 2011, pp: 18-27
48.	SolmuŐ, İ., Rees, D.A.S., Yamalı, C., Kaftanođlu, B., Baker, D., "Numerical Investigation of Coupled Heat and Mass Transfer Inside the Adsorbent Bed of an Adsorption Cooling Unit", International Journal of Refrigeration, 2011
47.	Taylan, O., Baker, D. K., and Kaftanođlu, B. "COP Trends for Ideal Thermal Wave Adsorption Cooling Cycles with Enhancements." International Journal of Refrigeration, DOI: 10.1016/j.ijrefrig.2010.07.008, 2011.
46.	Taylan O., Baker, D.K., Kaftanođlu, B. "A New Normalized Model for Intermittent Energy Systems and Application to Solar-Powered Adsorption Cooling Systems", International Journal of Thermodynamics (IJoT), 2010 (In Review: 1st Review Completed).
45.	Cesur H., Kaftanođlu B., Kalkanlı A., Oral B., Bor nitruir kaplamaların çelik altaŐlar üzerinde RF magnetron saçtırma yöntemiyle büyütülmesi, Makine Tasarım İmalat Dergisi, 2009

44.	T. Özel, M. Sima ¹ , A. K. Srivastava, B. Kaftanoğlu, "Investigations on the Effects of Multi-Layered Coated Inserts in Machining Ti-6Al-4V Alloy with Experiments and Finite Element Simulations", CIRP ANNALS-Manufacturing Technology 59 (2010) 77-82
43.	Ismail Solmuş, Cemil Yamalı, Bilgin Kaftanoğlu, Derek Baker, Ahmet Çağlar, "Adsorption Properties of a Natural Zeolite-Water Pair for use in Adsorption Cooling Cycles", Applied Energy, vol. 87, 2010, pages 2062-2067
42.	Cesur H., Kaftanoğlu B., Kalkanlı A., Oral B., Bor nitrür kaplamaların çelik alttaşlar üzerinde RF magnetron saçtırma yöntemiyle büyütülmesi, Makine Tasarım İmalat Dergisi, 2009
41.	Lazoglu, I., Ulutan, D., Alaca B. E., Engin S., Kaftanoğlu B., "An Enhanced Analytical Model for Residual Stress Prediction in Machining", Annals of the CIRP, Vol: 57, 1/2008
40.	Özel T., Karpat Y., Srivastava A., Kaftanoğlu B., "Hard Turning with Variable Micro-Geometry PcBN Tools", Annals of the CIRP, Vol: 57, 1/2008
39.	Fırat, M., Kaftanoğlu, B., Eser O., "Sheet Metal Forming Analyses with an Emphasis on the Springback Deformation, Journal of Materials Processing Technology, 196, 135-148 (2008).
38.	Baker, D.K. and B. Kaftanoğlu, "Predicted Impact of Collector and Zeolite Choice on the Thermodynamic and Economic Performance of a Solar Powered Adsorption Cooling System", Experimental Heat Transfer journal, 20:2, pp. 103-122, 2007.
37.	Bayraktar H., Kaftanoğlu B., "Endüstriyel Bir Robot için Stereo Görüş Sistemi Geliştirilmesi", Makina Tasarım ve İmalat Dergisi, Cilt 7, Sayı 2 Kasım 2005, sayfa: 57-67
36.	Mahir Cihan Cengiz, Prof. Dr. Bilgin Kaftanoğlu, Endüstriyel Bir Robot İçin İnsan-Makina Arayüz Programının Geliştirilmesi, Makina Tasarım ve İmalat Dergisi, Cilt:6 Sayı:2 Sayfa:99-107, 11/2004
35.	M.Dölen , B.Kaftanoğlu , R.D.Lorenz, A Cutting Force Estimator for CNC Machining Centers, Annals of the CIRP, Vol : 53 Page: 313-316, 1/2004
34.	M.Dölen , B.Kaftanoğlu , R.D.Lorenz, Cross Reference Models for Estimating Unknown Principal Force Components in End-Milling process, Annals of the CIRP, Vol : 52 Page : 81-84, 8/2003
33.	Ata Hançer Uysal, Bilgin Kaftanoğlu, Traktör Fren Sistemlerinin Fonksiyonel Analizi ve Geliştirilmesi, Makina Tasarım ve İmalat Dergisi, Cilt 4 Sayı: 4 Sayfa: 236-247, 11/2002
32.	C.Çoğun, S.Akaslan, B.Kaftanoğlu, An Investigation on Tool Electrode Edge Wear in Electric Discharge Machine, Canadian Society of Mechanical Engineering Transactions, Page : 6, 7/2001
31.	B.Kaftanoğlu, O.Eren, Altı Serbestlik Dereceli Bir Endüstriyel Robotun Tasarımı, İmalatı ve Çalıştırılması, Makina Tasarım ve İmalat Dergisi, 11/2001
30.	Konukseven, İ., Kaftanoğlu, B., "Multisensor Controlled Robot System for Recognizing and Tracking Moving Multiple Objects", Journal of Robotic Systems, 16(11), 651-665, 1999.
29.	Kaftanoğlu, B., Alkan, O., "Computer Aided Design of Rotary Screen and Conveyor for Solid Waste Processing", Journal of Machine Design and Manufacturing, Vol. 3, No 4, September 1998, 154-160,
28.	Kaftanoğlu, B., "Design and Manufacturing of Dies and Molds", Journal of Industry and Automation, March 1998, No 12, 16-18. (In Turkish)
27.	Alniak, O., Kaftanoğlu, B., "Powder Metallurgy Constitutive Equations", Tr. Journal of Engineering and Environmental Sciences 21 (1997) 371-377. (In Turkish)
26.	Kaftanoğlu, B., Yahşi, O., "Computer Aided Modeling of the Tube Drawing Process", Journal of Mechanical Tech. No 6, pp 48-50, 1995. (In Turkish)
25.	Alniak, O., Kaftanoğlu, B., Ankara, A., "Thermo-Mechanical and Micro-Dynamical Behaviours of Super Alloys", Turkish Journal of Engineering and Environmental Sciences, Vol. 18, No. 4, pp. 271-280, 1994.

24.	Rincon, D. M., Ulsoy, A. G., Kaftanoğlu, B., "Effects of Drill Vibrations on Cutting Forces and Torque", Annals of the CIRP, Vol. 43/1/1994, pp. 59-62, 1994.
23.	Kaftanoğlu, B., Konukseven, E. İ., "Role of Robotic Applications in CAD/CAM/CAE ", CAD/CAM/CAE Journal, No. 4, pp. 19-22, Aug. 1994. (In Turkish)
22.	Kaftanoğlu, B., Gökler, M. İ., "Main Stages in Industrial Development and What can be done in CAD/CAM/CAE during the Economic Crisis?", CAD/CAM/CAE Journal, No. 3, pp. 21-23, May 1994. (In Turkish)
21.	Kaftanoğlu, B., Gökler, M. İ., "CAD/CAM/CAE Applications Force Computer Technology", CAD/CAM/CAE Journal, No. 2, pp. 23-25, Feb. 1994. (In Turkish)
20.	Kaftanoğlu, B., Gökler, M. İ., "No End to Waiting", CAD/CAM/CAE Journal, No. 1, pp. 18-19, Nov. 1993. (In Turkish)
19.	Alniak, O., Kaftanoğlu, B., "Thermo-Mechanical Behavior of Super Alloys", Mechanical Engineering, 33, No. 387, pp. 27-35, April 1992, (In Turkish).
18.	Darendeliler, H., Kaftanoğlu, B., "Deformation Analysis of Deep-Drawing by a Finite Element Method", Annals of the CIRP, Vol. 40/1/1991, pp. 281-284.
17.	Arıkan, M. A. S., Kaftanoğlu, B., "Dynamic Load and Root Stress Analysis of Spur Gears", Annals of the CIRP, Trondheim, Norway, Vol. 38/1/1989, pp. 171-174, Aug. 21-23, 1989.
16.	Oral, S., Kaftanoğlu, B., "A Three-Node Shear-Flexible Hybrid-Stress Finite Element for the Analysis of Laminated Composites", Journal of Thermoplastic Composite Materials, Vol. 1, 339-360, 1988.
15.	Oral, S., Kaftanoğlu, B., "On the use Composite Materials by the Industry", Journal of Machine Design and Production, Vol. 1, pp. 202-205, 1987, (In Turkish).
14.	Kaftanoğlu, B., Lange, K., "Computer-Aided Modelling of Tube-Drawing", Annals of the CIRP, Vol. 34/1/1985, Presented at CIRP General Assembly Palermo, Italy, pp. 249-252, Aug. 25-28, 1985.
13.	Nguyen, D., Kaftanoğlu, B., "Computer-Aided Design of a Punch Assembly", ASME Design Engineering Journal, 1983.
12.	Kaftanoğlu, B., Tekkaya, A. E., "Complete Numerical Solution of the Axisymmetrical Deep-Drawing Problem", ASME J. of Engr. Mat. and Tech., Vol. 103, Oct. 1981, pp. 326-332. Also presented at WAM in 1981.
11.	Erden, A., Kaftanoğlu, B., "Thermo-Mathematical Modelling and Optimization of Energy Pulse Forms in Electric Discharge Machining", International J. of Machine Tool Design and Research, Vol. 21, No. 1, pp. 11-22, 1981.
10.	Kaftanoğlu, B., Sivacı, K., "Investigation of the Plastic Properties of Certain Ferrous and Non-Ferrous Materials at High Temperature", Paper presented at the Winter Annual Meeting of A.S.M.E., Houston, Texas, Nov. 30 - Dec. 4, 1975. Also published in J. of Eng. Mat. and Tech., July 1976, 203-212.
9.	Kaftanoğlu, B., "A Method for Estimating the Limiting Drawing Ratio in Deep-Drawing", Presented at the 2nd International Conference on Production Research, 27-31 August 1973, Copenhagen. Also, Int. J. Prod. Res. 12 (1974), No. 1, 89-98.
8.	Kaftanoğlu, B., "Determination of Coefficient of Friction under Conditions of Deep-Drawing and Stretch Forming", Presented at the First World Conference on Industrial Tribology, Dec. 11-18, 1972, New Delhi, India. Also, Wear, 25 (1973), 177-188.
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6.	Kaftanoğlu, B., Alexander, J. M., "On Quasistatic Axisymmetrical Stretch Forming", Int. J. Mech. Sci. 12, (1970), 1065-1080.

5.	Kaftanođlu, B., "Discussion on High-rate Forming", Proc. Instn. Mech. Engrs. 179 (1964-65), No. 7, Pt. 1, 283.
4.	Kaftanođlu, B., "Discussion on Mechanical Anisotropy in Sheet Metals", J. Inst. Metals 93 (1964-65), 486.
3.	Kaftanođlu, B., "Letter to the Editor", Int. J. Mech. Sci., 7 (1965), 447.
2.	Kaftanođlu, B., "Communications", J. Mech. Eng. Sci., 7 (1965), No. 1, 123.
1.	Kaftanođlu, B., Alexander, J. M., "An Investigation of the Erichsen Test", J. of Inst. Metals, 90 (1961-62), 457-470. Also, Discussion in 93 (1964-65), 323-325.

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3	Development of a Solar Energy Powered Zeolite Air Conditioning System-01.10.2006- 01.01.2009-TÜBİTAK
4	Coating of Cutting Tools with Boron Nitride for Non-Cooling Applications- 01.08.2006- 01.11.2008-TÜBİTAK
5	Development of Boron Nitride Technology for Cutting Tools and Dies- 01.10.2011-01.10.2014- BOREN
6	Improvement of Productivity of Cutting Tools and Dies by using Boron Nitride Coatings- 2011- 2014- ATILIM University
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18	Development of Design Methodologies and Improvement of Geometries for Cutting Tools to Increase Productivity- 2017-2018- TÜBİTAK
19	Development of Die Design for 3 rd Generation High Strength Steels and Impact Strength and its application in B-Column Production- 2018-2021- TÜBİTAK
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21	Tek Tekerlekli Elektrikli Araç Tasarımı ve Üretimi, ATILIM LAP Projesi
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24	Research on Formability of Aluminum-Lithium Alloys, 2021-2022
25	Rigidity optimization of titanium sheet parts, 2022-2023
26	Investigation of Mechanical and functional performance of Boron Nitride Coated Surgical Needles, 2021-2022
27	Design & Development of an electrical bicycle with regenerative braking, 2021-2022

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2	Boron Nitride Coating Process for Dental Implants - Accepted 2018
3	Development of new steel beam profiles for ceilings- Accepted 2018
4	A New Boron Nitride and Boron Carbide Film Technology on Optical Lenses - Pending
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20	NAKKA LOTFY RAKE	BİLGİN KAFTANOĞLU	Theoretical Modelling of Boron Nitride Coating	-
19	TUĞÇE HACALOĞLU	BİLGİN KAFTANOĞLU	Development of Boron Coatings for Single and Multi-layer Films for Mechanical and Biomedical Applications	2021
18	ALP EREN SİNAN ÖZHAN	BİLGİN KAFTANOĞLU	A Study on the Optical and Mechanical Properties of Optical Thin Films	2018
17	HAKAN KALKAN	BİLGİN KAFTANOĞLU	Investigation of Friction in Sheet Metal Forming	2017
16	ERDEM KAYHAN	BİLGİN KAFTANOĞLU	The Development of a Method to Improve the Limit Drawing Ratio of Blanks Using Preferential Heating	2015
15	SHAHRAM ABBASNEJAD DIZAJI	HALUK DARENDELİLER BİLGİN KAFTANOĞLU	An Investigation of ductile fracture Criteria for Sheet Metal Forming	2014
14	İSMAİL SOLMUŞ	CEMİL YAMALI BİLGİN KAFTANOĞLU	An Experimental Study on the Performance of An Adsorption Cooling System and The Numerical Analysis of Its Adsorbent Bed	2011
13	SEDAT SAVAŞ KIRIMLIOĞLU	BİLGİN KAFTANOĞLU	Finite Element Modeling of Plastic Deformation In Sheet Metal Forming	2002
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4	MEHMET ALİ SAHİR ARIKAN	BİLGİN KAFTANOĞLU	Computer-Aided Dynamic Modelling of Spur Gears	1987
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2	BİROL KILKIŞ	BİLGİN KAFTANOĞLU	Theoretical and Experimental Investigation of the Radial-Drawing Region of Square Blanks	1980
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67	EMRE ŞAHİN	KAHRAMAN ALBAYRAK BİLGİN KAFTANOĞLU	Conceptual Design Testing and manufacturing of an industrial type electro- hydraulic vacuum sweeper	2011
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64	ONUR TAYLAN	DEREK BAKER BİLGİN KAFTANOĞLU	Numerical modeling and performance analysis of solar-powered ideal adsorption cooling systems	2010

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62	SERHAT YALÇIN	SUHA ORAL BİLGİN KAFTANOĞLU	Analysis and modeling of plastic wrinkling in deep drawing	2010
61	BUKET AYGÜN	KAHRAMAN ALBAYRAK BİLGİN KAFTANOĞLU	Conceptual Design and Analysis of an Industrial Type Vacuum Sweeper	2009
60	HALİL CESUR	YİĞİT YAZICIOĞLU BİLGİN KAFTANOĞLU	Development of Cubic Boron Nitride (CBN) Coating Process for Cutting Tools	2009
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57	HAKAN BAYRAKTAR	BİLGİN KAFTANOĞLU	Development of A Stereo Vision System for An Industrial Robot	2004
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52	SEDAT DURSUN KILIÇ	BİLGİN KAFTANOĞLU	Computer Aided Design of Journal Bearings and Computer Aided Selection of Anti-Friction Bearings	1999
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45	ATA HANÇER UYSAL	HALUK DARENDELİLER BİLGİN KAFTANOĞLU	Functional Analysis, Optimization and Development of the Brake System in Turk-Fiat Tractors	1997
44	ERAY ULUGÜL	HALUK DARENDELİLER BİLGİN KAFTANOĞLU	Computer Aided Optimal Design of Spur and Helical Gears	1997
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34	MUHARREM KAYNAKÖZ	BİLGİN KAFTANOĞLU	Integration of Computer Programs for Power Transmission Elements	1988
33	ALİ DOĞRUSÖZ	BİLGİN KAFTANOĞLU	First Stage Development of a 2-D Computer-Aided Drawing Package	1988
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31	KAMİL LALELİ	BİROL KILKIŞ BİLGİN KAFTANOĞLU	Computer Aided Design of Rigid and Flexible Mechanical Couplings	1988
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14	ŞİNASI ÇOLAK	BİLGİN KAFTANOĞLU	Design of Conveying and Hot Water Generation System of a Bottling Plant	1979
13	ERMAN ÖZDAMAR	BİLGİN KAFTANOĞLU	Design and Construction of a Hydraulic Bulge Tester and Preliminary Experiments	1978
12	HAKKI SUHA ÜNSAL	BİLGİN KAFTANOĞLU	Design of a Bottle Filling and Capping Machine	1978
11	MEVLUT SEMİH ÜNLÜ	BİLGİN KAFTANOĞLU	Design of a Bottle Washing Machine	1978
10	VURAL ÖZSALMAN	BİLGİN KAFTANOĞLU	Numerical Solution of the Airy Stress Function for Plane Stress and Plane Strain Problems in Polar Coordinates When the Effects of Temperature and Body Forces are Negligible	1974
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8	CANDAR YOSUNÇIĞIR	BİLGİN KAFTANOĞLU	Design and Construction of a Tube Testing Apparatus and Investigation of Plastic Deformation Under Hydraulic Pressure	1974

7	MEHMET YAVUZ YÜCEL	BİLGİN KAFTANOĞLU	Theoretical Analysis of the Tube Drawing Process and Design of a Tube Drawing Bench	1974
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