

Dr. Mátyás Andó

Associate Professor

ELTE-Eötvös Loránd University – Faculty of Informatics:

Savaria Institute of Technology

9700 Szombathely, Károlyi Gáspár tér 4.

Tel: +36 94 504 405

E-mail: am@inf.elte.hu

ACADEMIC EDUCATION

- 2017/01** **Habilitation in Materials Sciences and Technologies**
University of West Hungary, Sopron, Hungary
- 2011/07** **Ph.D in Engineering Sciences: Electro-mechanical Engineering**
Title of dissertation: *Development of Technical Polymer Composites for Agricultural Engineering Application*
Gent University, Gent, Belgium
- 2011/06** **Ph.D in Engineering Sciences: Agricultural Engineering Sciences**
Title of dissertation: *Development of Technical Polymer Composites for Agricultural Engineering Application*
Szent István University: PhD School of Mechanical Engineering, Gödöllő, Hungary
- 2007/06** **MSc in Teacher of Engineering**
Title of master thesis: *Addictions at Szent István University*
Szent István University: Faculty of Economics and Social Sciences, Gödöllő, Hungary
- 2007/06** **MSc in Mechanical Engineering: Specialization in CAD/CAM**
Title of master thesis: Mechanical and tribological research on cast polyamide 6 with new additives
Szent István University: Faculty of Mechanical Engineering, Gödöllő, Hungary

PROFESSIONAL CAREER

- 2020 –** **Associate Professor, Program Leader of Computer Science MSc, Digital Factory specialization**
Eötvös Loránd University, Faculty of Informatics: Savaria Institute of Technology
- 2017 – 2020** **Associate Professor, Head of Institute**
Eötvös Loránd University, Faculty of Informatics: Savaria Institute of Technology
- 2014 – 2017** **Associate Professor**
University of West Hungary, Faculty of Natural Sciences: Institute of Technology,
Department of Engineering
- 2013 – 2014** **Assistant Professor**
Szent István University, Faculty of Mechanical Engineering: Institute for Mechanical Engineering
Technology, Department of Maintenance of Machinery
- 2010 – 2013** **Assistant Lecturer**
Szent István University, Faculty of Mechanical Engineering: Institute for Mechanical Engineering
Technology, Department of Maintenance of Machinery

- 2010 – 2010** **Researcher (PhD student)**
Ghent University, Faculty of Engineering and Architecture: Laboratory Soete,
Department of Mechanical Construction and Production
- 2007 – 2010** **PhD student**
Szent István University, Faculty of Mechanical Engineering: Institute for Mechanical Engineering
Technology, Department of Maintenance of Machinery
- 2012 – 2016** **CEO**
Andó Mérnöki Iroda Kft.
- 2008 – 2011** **Mechanical Engineer**
Gépész Tuning Kft.
- 2007 – 2008** **Tool Design Engineer**
Hungaro-SLR Gépipari Kft.

RESEARCH FIELDS

- **Manufacturing Technology:** Establish and develop the computer added manufacturing system (CAD/CAM) in single piece production. Usage MES system and networking the manufacturing cells. Create adaptive control solutions.
- **Polimer 3D printing:** Mapping the adhesion properties. New design solutions and determining the technological limits.
- **Tribology:** Polymer-metal contact in case of twin-disc or abrasive system, online monitoring.
- **Brake developing:** Fundamental questions of the complex model of special brake calipers. Friction behavior of brake pad materials.
- **Development of polymer:** investigation and evaluation different cast polyamide 6 subtypes.

EDUCATION ACTIVITIES

Coordinator and lecturer

- Subject (BSc): Manufacturing Technologies I., CNC and CAM I., In Hungarian: Manufacturing Technologies 1, Manufacturing Technologies 2, Manufacturing Technologies 3, Manufacturing Technologies 4, CNC and CAM 1, CNC and CAM 2, Fundamentals of Engineering Tribology, CAE practices II., Practical problems from manufacturing, Polymer technology II., CAM practices
- Subject (MSc): Manufacturing Engineering for Programmers, In Hungarian: Industry 4.0 based production

Lecturer

- Subject (BSc): Tribology, Industrial tribology, Vehicle tribology, CIM systems, Integrated (CIM) systems, Flexible Manufacturing Systems, Computer Added Manufacturing, Manufacturing Processes and Systems, Computer Integrated Manufacturing, CAE practices III., Maintenance of Machinery

NYELVISMERET

- English: Professional working proficiency (B2)
- German: Elementary proficiency (A2)
- Hungarian: Native (C2)

SOFTWARE SKILLS

- CAM software: Edge CAM,
- CAD software: Solid Edge, Inventor
- CNC programming: Siemens, Fanuc, Emco

SCIENTIFIC ACTIVITIES AND MEMBERSHIPS

Scientific reviewer

- Journal of Petroleum and Gas Engineering (JPGE)
- Journal of Reinforced Plastics and Composites (JRPC)
- Materials Science Forum
- Wear
- Journal of Testing and Evaluation
- Tribology International
- Technical Gazzete
- Polymer Composites
- eXPRESS Polymer Letters

Memberships

- Form 2021: President of Iron county organization - Scientific Society of Mechanical Engineering
- Form 2020: Editor of Engineering and IT Solutions journal
- From 2017: Márton Áron Special College, leader of technical scientific group
- Form 2013: Member of the VI. Section of Engineering Sciences (Committee on Fibre Technology)
- 2012-2013: Member of the Hungarian Association for Material Testing

Projects

- 2021: Machines and equipment for scientific laboratories – (approx. 264 million HUF)
- 2020: Machines and equipment for scientific laboratories – (approx. 85 million HUF)
- 2016: Reconstruction of education building – (approx. 104 million HUF)
- 2016: SEM microscope – (approx. 180 million HUF)
- 2015: Machines and equipment for scientific laboratories (approx. 344 million HUF)
- 2015: Laboratory of Manufacturing Technologies – building reconstruction (approx. 80 million HUF)
- 2014: Workshop building - 500 m2 (approx. 120 million HUF)
- 2013: DMU 60 eVo 5-axis CNC milling machine (approx. 25 million HUF)
- 2010: Deckel Maho Gildemeister DMC 635 V type 3-axis CNC milling machine (approx. 25 million HUF)
- 2007: Doosan LYNX 220 LM C-axis CNC lathe (approx. 20 million HUF)

PUBLICATIONS

Journal papers with impact factor or SRJ index

1. Andó Mátyás, Birosz Márton, Jeganmohan Sudhanraj: Surface bonding of additive manufactured parts from multi-colored PLA materials. MEASUREMENT 169 Paper: 108583 (2021) IF: 3,364*, SJR 0,772*, Q1*
2. Marton Tamas Birosz, Matyas Ando, Sudhanraj Jeganmohan: Finite Element Method modeling of Additive Manufactured Compressor Wheel. Journal of the Institution of Engineers (India): Series D, 102 pp. 79-85. (2021) SJR 0,229*, Q3*
3. Kiss Márk, Andó Mátyás: Automatic Manufacturing Cell in Cyber-physical System. PERIODICA POLYTECHNICA-MECHANICAL ENGINEERING 64 : 4 pp. 336-341. (2020) SJR 0,259, Q3
4. Bátorfi János György, Andó, Mátyás: Study of Parameters during Aluminum Cutting with Finite Element Method. PERIODICA POLYTECHNICA-MECHANICAL ENGINEERING 64 : 1 pp. 1-9. (2020) SJR 0,259, Q3
5. Rozs Richard, Mátyás Andó: Collaborative Systems, Operation and Task of the Manufacturing Execution Systems in the 21st Century Industry. PERIODICA POLYTECHNICA-MECHANICAL ENGINEERING 64 : 1 pp. 51-66. (2019) SJR 0,389, Q2
6. Andó Mátyás: Influence of Graphite Additives on Mechanical, Tribological, Fire Resistance and Electrical Properties in Polyamide 6. TEHNICKI VJESNIK-TECHNICAL GAZETTE 25 : 4 pp. 1014-1019. (2018) IF: 0,791, SJR 0,239, Q2
7. Neis PD, Ferreira NF, Poletto JC, Sukumaran J, Andó M, Zhang, Y: Tribological behavior of polyamide-6 plastics and their potential use in industrial applications. WEAR 376 pp. 1391-1398. (2017) IF:3.393, SJR 1.386, Q1
8. L Y Barros, P D Neis, N F Ferreira, R P Pavlak, D Masotti, L T Matozo, J Sukumaran, P DeBaets, M Andó: Morphological analysis of pad-disc system during braking operations. WEAR 352-353: pp. 112-121. (2016) IF: 3,064, SJR 1.588, Q1
9. R Lefanti, M Ando, J Sukumaran: Fatigue and damage analysis of elastomeric silent block in light aircrafts. MATERIALS & DESIGN 52: pp. 384-392. Paper <http://dx.doi.org/10.1016/j.matdes.2013.05.039>. (2013) IF: 3,946 SJR 2.024, Q1
10. Sukumaran J, Ando M, De Baets P, Rodriguez V, Szabadi L, Kalacska G, Paepegem V: Modelling gear contact with twin-disc setup. TRIBOLOGY INTERNATIONAL 49: pp. 1-7. (2012) IF: 2.136, SJR 1.405, Q1
11. Sukumaran J, Soleimani S, De Baets P, Rodriguez V, Douterloigne K, Philips W, Andó Mátyás: High-speed imaging for online micrographs of polymer composites in tribological investigation. WEAR 296:(1-2) pp. 702-712. (2012) IF: 1.816, SJR 1,345, Q1
12. M ANDO, J SUKUMARAN: Effect on Friction for Different Parameters in Roll-Slip of Polyamide-Steel Nonconformal Contacts. TRIBOLOGY TRANSACTIONS 55:(1) pp. 109-116. (2012) IF: 1.286, SJR 0,836, Q1
13. Andó Mátyás, Czigány Tibor, Kalacska Gábor: Investigation on the Flammability of Diverse Cast PA6 Semi-Finished Products. JOURNAL OF TESTING AND EVALUATION 40:(6) pp. 1027-1032. (2012) IF: 0.489, SJR 0,289, Q3
14. Ando M, Kalacska G, Czigany T: Electrical Properties of Magnesium Catalyzed Cast PA6 Semi-Finished Products. JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS 24:(3) pp. 415-428. (2011) IF: 0.899, SJR 0,337, Q2

Journal papers

15. Magyar Gergely, Sebestyén László, Ádám, Magyar Gábor, Andó Mátyás: Rendetlen alkatrészek rakodási folyamatának fejlesztése. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2021: 1 pp. 47-54. (2021)
16. Magyarics Norbert, Safranyik Ferenc, Andó Mátyás: 3D nyomtatott rétegek közötti adhézió kísérleti vizsgálata. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2021: 1 pp. 29-36. (2021)
17. Bognár Dániel, Andó, Mátyás, Takács, Gergő: Forgácsolt alkatrész komplex gyártástechnológiai optimalizálása. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2020 : 1 pp. 15-21. (2020)
18. Hegedűs-Kuti János, Andó Mátyás: Performance of Cell Phone Controlled Model Vehicle. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2020 : 2 pp. 14-20. (2020)
19. Karker László, Andó Mátyás, Raj Jegan Mohan Sudhan: Product configuration system development for CAD/CAM software. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2020 : 2 pp. 42-49. (2020)
20. Karker László, Andó, Mátyás: Adatbázis alapú technológiai paraméter választás CAM rendszerekben. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2020 : 1 pp. 27-33. (2020)
21. Komondi Márk, Andó, Mátyás: CNC gép szerszámparaméter kezelési rendszerének vizsgálata. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2020 : 1 pp. 34-39. (2020)
22. Szunyi Attila, Andó Mátyás, Safranyik Ferenc: Posztprocesszor fejlesztése kiber-fizikai rendszerben. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2020 : 1 pp. 54-60. (2020)
23. Tóth Balázs, Andó Mátyás: Generatív tervezés kombinálása 3D nyomtatással. MÉRNÖKI ÉS INFORMATIKAI MEGOLDÁSOK / ENGINEERING AND IT SOLUTIONS 2020 : 1 pp. 61-68. (2020)
24. Tamás Orbán, Mátyás ANDÓ: CNC laser engraver quality testing. MECHANICAL ENGINEERING LETTERS: R AND D: RESEARCH AND DEVELOPMENT 18 : 1 pp. 95-103. (2019)
25. R Biczó, M Andó, R Keresztes, G Kalácska: Pin-on-disc tribology test of dry sliding frictional hybrid woven composite material samples cut with abrasive water jet machining. MECHANICAL ENGINEERING LETTERS: R AND D: RESEARCH AND DEVELOPMENT 15 : 1 pp. 94-99. (2017)
26. Á Horváth, I Oldal, G Kalácska, M Andó: The effect of the position of pistons of piston's circular top face onto the deformation of the piston's wall. MECHANICAL ENGINEERING LETTERS: R AND D: RESEARCH AND DEVELOPMENT 12: pp. 122-130. (2015)
27. Horváth Á, Oldal I, Kalácska G, Andó M: Multi-parameter optimization of brake of piston. SUSTAINABLE CONSTRUCTION & DESIGN 6:(1) pp. 1-8. (2015)
28. Horváth Á, Oldal I, Kalácska G, Andó M: Féknyereghez használt ötvözött alumínium -87075T6) rugalmassági modulusa VEM vizsgálatokhoz. ANYAGOK VILÁGA 13:(2) pp. 1-8. (2015)
29. Horváth Ádám, Oldal István, Kalácska Gábor, Andó Mátyás: Csavarok előfeszítésének hatása a féknyereg deformációjára és terhelhetőségére. GÉP 66:(5-6) pp. 61-64. (2015)
30. P D Neis, N F Ferreira, J Sukuraman, P D Baets, M Andó, L T Matozo, D Masotti: Characterization of surface morphology and its correlation with friction performance of brake pads. SUSTAINABLE CONSTRUCTION & DESIGN 6:(1) Paper 6. 6 p. (2015)
31. Ádám Horváth, István Oldal, Gábor Kalácska, Mátyás Andó: Thermal analysis of caliper's pistons in terms of brake fluid warming in finite element software. MECHANICAL ENGINEERING LETTERS: R AND D: RESEARCH AND DEVELOPMENT 11: pp. 136-142. (2014)
32. Vanessa Rodriguez, Jacob Sukumaran, Yeczain Perez, Patrick De Baets, Matyas Ando, Tribological behaviour of the low and high viscosity peek against steel using differents contact pressures. SUSTAINABLE CONSTRUCTION & DESIGN 4:(2) Paper Rodriguez. p. 10 (2013)

33. P D Neis, J Sukumaran, Y Perez Delgado, M Ando, N F Ferreira, P De Baets: Methodology for characterizing brake friction material on high temperatures. SUSTAINABLE CONSTRUCTION & DESIGN 4:(2) Paper Neis. p. 7 (2013)
34. Jacob Sukumaran, Vanessa Rodriguez, TD Nguyen, Jan De Pauw, Ando Matyas, Patrick De Baets: Transfer layer dynamicity in roll-slip of polymer metal pairs. SUSTAINABLE CONSTRUCTION & DESIGN 4:(2) Paper Sukumaran. p. 8 (2013)
35. Jacob Sukumaran, Vanessa Rodriguez, Siva Irullappasamy Winowlin Jappes, Jebas Thaniah, Matyas Ando, Patric De Baets: Exploration of tribological characteristics of naturally woven fiber composites. MECHANICAL ENGINEERING LETTERS: R AND D : RESEARCH AND DEVELOPMENT 9: pp. 7-15. (2013)
36. Andó Mátyás, Kalácska Gábor, Czigány Tibor: Speciális tulajdonságú öntött poliamid 6 receptúrák fejlesztése II.: Eredmények és értékelésük. MŰANYAG ÉS GUMI 50:(6) pp. 208-211. (2013)
37. Andó Mátyás, Kalácska Gábor, Czigány Tibor, Sárosi Gyula: Speciális tulajdonságú öntött poliamid 6 receptúrák fejlesztése I.: Kísérleti stratégia és vizsgálati módszerek. MŰANYAG ÉS GUMI 50:(3) pp. 94-97. (2013)
38. J Sukumaran, V Rodriguez, P De Baets, Y Perez Delgado, M Ando, H Dhieb, P Neis: A review on water lubrication of polymers. SUSTAINABLE CONSTRUCTION & DESIGN 3:(2) pp. 144-149. (2012)
39. Á Horváth, Z Csík, J Sukumaran, P Neis, M Andó: Development of brake caliper for rally-car. SUSTAINABLE CONSTRUCTION & DESIGN 3: pp. 191-198. (2012)
40. Vanessa RODRIGUEZ, Jacob SUKUMARAN, Patrick DE BAETS, Wouter OST, Yeczain PEREZ DELGADO, Mátyás ANDÓ: Friction and wear properties of polyamides filled with molybdenum disulphide (MoS₂). MECHANICAL ENGINEERING LETTERS: R AND D : RESEARCH AND DEVELOPMENT 5: pp. 68-80. (2011)
41. J Sukumaran, M Ando, V Rodriguez, P. De Beats: Effect of velocity on roll/slip for low and high load conditions in polymer composite. SUSTAINABLE CONSTRUCTION & DESIGN 2:(1) pp. 122-127. (2011)
42. V Rodregues, J Sukumaran, M Ando: Roughness measurement problems in tribological testing. SUSTAINABLE CONSTRUCTION & DESIGN 2:(1) pp. 115-121. (2011)
43. Jacob SUKUMARAN, Mátyás ANDÓ, Vanessa RODRIGUEZ, Patrick DE BAETS, Patric Daniel NEIS: Friction torque, temperature and roughness in roll-slip phenomenon for polymer –steel contacts. MECHANICAL ENGINEERING LETTERS: R AND D : RESEARCH AND DEVELOPMENT 5: pp. 7-16. (2011)
44. Andó M, Sukumaran J, Rodrigez V, Neis P, Kalácska G, Czigány T, DeBaets P: Development of new PA6 composites. MECHANICAL ENGINEERING LETTERS: R AND D : RESEARCH AND DEVELOPMENT 5:(5) pp. 145-153. (2011)
45. M Andó, J Sukumaran: Tribological behavior of composite-steel on rolling/sliding contacts for various loads. SUSTAINABLE CONSTRUCTION & DESIGN 2:(1) pp. 29-34. (2011)
46. Andó M, Kalácska G, Czigány T: High conductive graphite additives for magnesium catalyzed cast PA6 polymer matrix. SUSTAINABLE CONSTRUCTION & DESIGN 1: pp. 86-90. (2010)
47. Andó M, Kalácska G, Czigány T: Dynamic Mechanical Tests on Magnesium Catalyzed Cast Polyamide 6 Composites Having Different Additives. MATERIALS SCIENCE FORUM 659: pp. 269-275. (2010)
48. Mátyás Andó, Gábor Kalácska, Tibor Czigány: The effects of humidity on surface resistance of magnesium catalyzed cast polyamide 6. MECHANICAL ENGINEERING LETTERS: R AND D : RESEARCH AND DEVELOPMENT 2:(1) pp. 120-126. (2009)
49. Mátyás Andó, Gábor Kalácska, Tibor Czigány: Shore D hardness of cast PA6 based composites. MECHANICAL ENGINEERING LETTERS: R AND D : RESEARCH AND DEVELOPMENT 2:(1) pp. 42-47. (2009)
50. Andó M, Kalácska G, Czigány T, Sárosi Gy: Öntött poliamid 6 kompozitok vizsgálata és anyagfejlesztése mezőgazdasági gép alkalmazásokhoz. GÉP 60:(4-5) pp. 79-84. (2009)
51. Andó M, Kalácska G, Czigány T: Magnézium katalizálású öntött poliamid 6 antisztatikus tulajdonságainak fejlesztése. GÉP 60:(8) pp. 19-23. (2009)

52. Andó M, Kalácska G, Czigány T: Cast polyamide 6 polymer composites for agricultural machine applications. HUNGARIAN AGRICULTURAL ENGINEERING 21:(1) pp. 67-69. (2008)
53. Andó Mátyás: Öntött poliamid 6 nanokompozitok mechanikai és tribológiai tulajdonságainak kutatása. MŰANYAGIPARI SZEMLE 3:(1) pp. 85-92. p. 8 (2006)

Conference proceedings

54. P De Baets, G Kalacska, P Neis, M Andó, R Cotețiu: Trends in Polymer Tribology. In: CEurSIS 2016: The International Conference of the Carpathian Euro-Region's Specialists in Industrial Systems. 11th Edition - Proceedings. Konferencia helye, ideje: Baia Mare, Románia, 2016.06.02-2016.06.04. Cluj-Napoca: Editura U.T. Press, 2016. pp. 48-52.
55. Horváth Á, Oldal I, Kalácska G, Andó M: The rigidity of the wall of pistons in relation to the wall thickness. In: Prof Aleksandar Sedmak, Zoran Radakovic, Simon Sedmak, Snezana Kirin (szerk.) Proceedings of TEAM 2015: 7th International Scientific and Expert Conference of the International TEAM Society. 650 p. Konferencia helye, ideje: Beograd, Szerbia, 2015.10.15-2015.10.16. Beograd: University of Belgrade, Faculty of Mechanical Engineering, 2015. pp. 252-255.
56. Jacob Sukumaran, Seyfollah Soleimani, Vanessa Rodriguez Ferreira, Matyas Ando, Wilfried Philips, Patrick De Baets: Transition of surface morphology in rolling/sliding of polymer-metal contacts. In: 5th World Tribology Congress 2013 (WTC - 2013). Torino, Olaszország, 2013-09-08 -2013-09-13. Torino: 2013. pp. 1-4. Paper 4145758.
57. Horváth Á, Andó M, Oldal I: Compared the cast and machined caliper deformation. In: Mankovits Tamás (szerk.) Proceedings of the 1st international scientific conference on advances in mechanical engineering (ISCAME 2013) 10-11 October 2013, Debrecen, Hungary. 229 p.
58. Konferencia helye, ideje: Debrecen, Magyarország, 2013.10.10-2013.10.11. Debrecen: Debreceni Egyetem Műszaki Kar, 2013. pp. 58-63.
59. J Sukumaran, V Rodriguez, M Ando, J De Pau, P De Beats: A Novel Measuring Technique to Evaluate Frictional Characteristics of Roll-Slip Contacts in Polymer-Metal Pairs. In: International Conference on Advanced Materials And Processing: ICAMP-2011. Chennai , India , 2011-12-19 -2011-12-20. Chennai: 2011. pp. 153-159.
60. Andó M, Kalácska G, Czigány T: Antistatic characteristics of cast PA6 containig graphite additives. In: International Multidisciplinary Conference of the Carpathian euro-Region specialists in Industrial Systems. Baia Mare , Románia , 2008-05-21 -2008-05-23. 2009. pp. 13-17.
61. Otto-paul Eberst, Sever Pop, Andó Mátyás: Therapeutical Applications of Semi-finished Engineering Plastics. In: The International Conference of the Carpathian Euro-region Specialists in Industrial Systems. Konferencia helye, ideje: Baia Mare, Románia, 2008-05-20-2008-05-21. Baia Mare: Editura Universitatii de Nord Baia Mare , 2008. pp. 1-6. (Scientific Bulletin Serie C; 22.)
62. Andó Mátyás, Kalácska Gábor, Czigány Tibor: Műszaki műanyag kompozitok fejlesztése. Fialat Műszakiak Tudományos Ülésszaka XIII. Nemzetközi Tudományos Konferencia. Konferencia helye, ideje: Kolozsvár, Románia, 2008-03-14-2008-03-15. Kolozsvár: Erdélyi Múzeum-Egyesület , 2008. pp. 1-4. (Műszaki Tudományos Füzetek - FMTÜ; XIII.)
63. Andó Mátyás, Kalácska Gábor, Czigány Tibor: Development of magnesium catalyzed polyamid 6 matrix composites. In: Erősített Műanyagok 2008, Nemzetközi BALATON Konferencia, Keszthely, Magyarország, 2008-05-20 -2008-05-22. Keszthely: 2008. pp. 81-87.
64. Andó Mátyás, Kalácska Gábor, Czigány Tibor: Cast Polyamide 6 Polymer Composites for Special Application. 14th Building Services, Mechanical and Building Industry Days. Konferencia helye, ideje: Debrecen, Magyarország, 2008-10-30-2008-10-31. Debrecen: Debreceni Egyetem, 2008. pp. 296-303.
65. Andó M, Kalácska G, Czigány T: Öntött poliamid 6 kompozitok vizsgálata és anyagfejlesztése. Magyar Tudományos Akadémia Agrártudományok Osztálya Agrárműszaki Bizottság Kutatási és Fejlesztési Tanácskozás Nr. 32. Konferencia helye, ideje: Gödöllő, Magyarország, 2008-01-22. Gödöllő: FVM Mezőgazdasági Gépesítési Intézet - Szent István Egyetem Gépészmérnöki Kar, 2008. pp. 251-256.

66. Andó M, Kalácska G, Czigány T: Development of technical polymer composites for agricultural engineering application. *Gépészet 2008: Proceedings of Sixth Conference on Mechanical Engineering*. Konferencia helye, ideje: Magyarország, 2008-05-29-2008-05-30. Budapest: Budapesti Műszaki és Gazdaságtudományi Egyetem, 2008. pp. 1-7.
67. Kalácska G, Deák F, Sárosi Gy, Andó M: Öntött poliamid 6 alapú nano- és mikro kompozitok fejlesztése különleges gépészeti alkalmazásokhoz. XXXI. MTA AMB kutatási és fejlesztési tanácskozás. Konferencia helye, ideje: Gödöllő, Magyarország, 2007-01-23. Gödöllő: FVM Mezőgazdasági Gépesítési Intézet, 2007. pp. 251-255.

Book or chapter

68. Andó Mátyás: *Gépipari tűrések, illesztések*. Budapest: Gépész Tuning Kft., 2016. 104 p. (ISBN:978-963-12-4030-6)
69. Gusztáv Fekete, Mátyás Andó: Comparative Wear Model on Hybrid Natural Fiber Composites as Substitutions for UHMWPE Made Knee Implants. In: Mohammad, Jawaid; Rajini, Nagarajan; Jacob, Sukumaran; Patrick, De Baets (szerk.) *Synthesis and Tribological Applications of Hybrid Materials*. Weinheim, Németország : Wiley-VCH Verlag GmbH & Co. KGaA (2018) 248 p. pp. 139-162.