

## Curriculum vitae Europass



### Personal information

**First name(s) / Surname(s)** ȘTEFAN ȚĂLU  
**Address(es)** **The Technical University of Cluj-Napoca, Romania**  
 - Department of Research, Development and Innovation Management (DMCDI), Constantin Daicoviciu Street, no. 15, Cluj-Napoca, 400020, Romania;  
 - Faculty of Mechanical Engineering, Department of Automotive Engineering and Transportation, Discipline of Descriptive Geometry and Engineering Graphics (DGEG), B-dul Muncii Street, no. 103-105, Cluj-Napoca, 400641, Romania.  
**Telephone(s)** 0040-264-401287, 0040-264-534229, 0040-744263660, 0040-264-401610, 0040-264-401780.  
**Fax)** 0040-264-401287, 0040-264-534229  
**E-mail(uri)** Ștefan.Talu@auto.utcluj.ro, stefan\_ta@yahoo.com  
**Nationality** Romanian  
**Date of birth** 31.07.1964  
**Gender** Male

### Work experience

<p><b>Dates</b> 2002 - to present</p> <p><b>Occupation or position held</b> Assoc. Prof. Ph.D. Eng.</p> <p><b>Main activities and responsibilities</b> Teaching and research activity</p> <p><b>Name and address of employer</b> The Technical University of Cluj-Napoca, Romania          - Department of Research, Development and Innovation Management (DMCDI), Constantin Daicoviciu Street, no. 15, Cluj-Napoca, 400020, Romania          - Faculty of Mechanical Engineering, Department of Automotive Engineering and Transportation, Discipline of Descriptive Geometry and Engineering Graphics (DGEG), B-dul Muncii Street, no. 103-105, Cluj-Napoca, 400641, Romania.</p> <p><b>Type of business or sector</b> Higher education</p>	<p><b>Dates</b> 1998 – 2002</p> <p><b>Occupation or position held</b> Senior lecturer</p> <p><b>Main activities and responsibilities</b> Teaching and research activity</p> <p><b>Name and address of employer</b> The Technical University of Cluj-Napoca, Faculty of Mechanical Engineering, Discipline of Descriptive Geometry and Engineering Graphics (DGEG)</p> <p><b>Type of business or sector</b> Higher education</p>
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**Dates** 1993 - 1998

Occupation or position held	Assistant
Main activities and responsibilities	Teaching and research activity
Name and address of employer	The Technical University of Cluj-Napoca, Faculty of Mechanical Engineering, Discipline of Descriptive Geometry and Engineering Graphics (DGEG)
Type of business or sector	Higher education
Dates	1991 - 1993
Occupation or position held	Laboratory assistant
Main activities and responsibilities	Teaching and research activity
Name and address of employer	The Technical University of Cluj-Napoca, Faculty of Mechanical Engineering, Discipline of Descriptive Geometry and Engineering Graphics (DGEG)
Type of business or sector	Higher education
Dates	1988 - 1991
Occupation or position held	Engineer
Main activities and responsibilities	Research activity
Name and address of employer	Knitwear firm "Romanița" Caracal, Vornicu Street, no. 2, Caracal, Ilt County.
Type of business or sector	Research
<b>Education and training</b>	
Dates	22.01.1998
Title of qualification awarded	Ph.D. thesis title: <i>Researches concerning the cold rolling process of external cylindrical threads.</i> The Technical University of Cluj - Napoca, Faculty of Machine Building. The degree: Ph.D. Field: Technique. Specialization: Technology of Machine Building.
Dates	1983 - 1988
Title of qualification awarded	- mechanical engineer, specialization: Technology of Machine Building (T.C.M.); - 1988, Session in June, University of Craiova, Faculty of Mechanical Engineering: - Promotion Chief (graduated with general mark 9.92); - Diploma as mechanical engineer, specialization in T.C.M., graduated with general mark 10 at the Diploma exam.
Name and type of organisation providing education and training	The University of Craiova, Faculty of Mechanics, specialization: Technology of Machine Building (T.C.M.).
Dates	1978 - 1982
Name and type of organisation providing education and training	The Industrial Secondary School, No. 1, Caracal, Ilt County.
Dates	1974 – 1978
Name and type of organisation providing education and training	The Elementary School, no. 2, Caracal, Ilt County.
Dates	1970 – 1974
Name and type of organisation providing education and training	The Elementary School, no. 4, Caracal, Ilt County.

**Personal skills and competences**

Mother tongue(s) **Romanian**  
 Other language(s) **English, French**

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
<b>English Language</b>	Experienced user	Independent user	Independent user	Independent user	Independent user
<b>French Language</b>	Experienced user	Independent user	Independent user	Independent user	Independent user

Social skills and competences Team spirit; excellent ability to adapt to different projects and situations; communication and reliability.

Organisational skills and competences Team spirit; autonomy in work; exceptional capacity for analysis and synthesis, Dynamism; Creativity; Initiative. Negotiation skills: positive and active attitude.

Technical skills and competences Mechanical Engineering, Computer-aided engineering and Designing industrial processes. Putting into service prototypes.  
 Research activity in: Mechanical engineering; Mechanical and tribological characterizations of macro-micro-nano structures; Topographical and morphological characterizations of three-dimensional surfaces; Computer-aided engineering and Designing industrial processes; Experimental techniques for micro/nano mechanical and micro/nano tribological characterizations; The development of new mathematical tools in the investigation of 3-D surface quality; Research in design and testing of mechanical components for different operating conditions; Theoretic and applied research in advanced materials science in engineering; Optimization methods and algorithms in engineering; Modelling and numerical simulations in engineering; Fractal and Multifractal Geometry applied in Technique.  
 Expert in the following fields: Descriptive Geometry and Technical Drawing; Computer Aided Design; AutoLISP programming language; The plastic deformation by cold rolling of threads; Technology of Machine Building; Fractal and Multifractal Geometry applied in Technique; Medical Imaging and Biostatistics; The universal history of architecture.

Computer skills and competences MS Windows & MS Office, AutoCAD, AutoLISP, Ulead PhotoImpact, Image J, CorelDraw, GraphPad InStat, QuarkXPress Passport, Multimedia & Accessories Software, Internet.

Driving licence Category B

<b>Additional information</b>	<ul style="list-style-type: none"> <li>▪ <b>SCIENTIFIC REPRESENTATIVE ACTIVITIES:</b></li> <li>▪ <b>General chair of International scientific events in abroad:</b> <ol style="list-style-type: none"> <li>1) The 2017 International Conference on Computer, Electronics and Communication Engineering (CECE 2017), Sanya, China, June 25-26, 2017. <a href="http://www.cece2017.org/com.htm">http://www.cece2017.org/com.htm</a>.</li> <li>2) The 2017 4th International Conference on Advanced Education Technology and Management Science (AETMS 2017), Shenzhen, China, September 17-18, 2017. <a href="http://www.aetms2017.org/com.html">http://www.aetms2017.org/com.html</a></li> </ol> </li> </ul>
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3) 2017 2nd International Conference on Applied Mechanics and Mechatronics Engineering (AMME 2017, Shanghai, China, November 26-27, 2017. <http://www.amme2017.org/com.html>

▪ **Honor-chair of International scientific events in abroad:**

1) The 2nd International Conference on Mechanical Control and Automation (ICMCA 2017), Guilin, China, May 26<sup>th</sup>-28<sup>th</sup>, 2017. <http://www.icmca2017.org/?op=committee>

▪ **Editor of International scientific events in abroad:**

1) The 2017 2nd International Conference on Biological Sciences and Technology (BST 2017), Zhuhai, China, November 17<sup>th</sup>-19<sup>th</sup>, 2017. <http://www.bst2017.org/?op=committee>

▪ **Member of the Technical Program Committee of International scientific events in:**

1) International Conference on Intelligent Manufacturing and Computational Technology (IMCT 2014), Changsha, China, April 18-20, 2014. <http://www.c-imct.org/Organizing.aspx>

2) The 3rd International Conference on Energy and Power Engineering (ICEPE 2015), Nanjing, China, October 17-18, 2015. <http://www.as-se.org/conf/icepe2015>

3) The First International Conference on Applied Science and Technology (ICAST 2015), Sanya, China, December 19-21, 2015. <http://www.icastconf.org/Committees.aspx>

4) The 2nd International Conference on Mechanical Integration and Control Technology (MICT 2015), Shenzhen, China, December 22-24, 2015. <http://www.as-se.org/conf/mict-2015/Organizing.aspx>

5) The International Conference on Applied Mathematics and Data Science (ICAMDS 2016), Hangzhou, China, April 26-27, 2016. <http://www.icamds.com/2016/programcommittee2>

6) 2016 International Conference on Applied Social Science and Information Technology (ASSIT 2016), Bangkok, Thailand, July 24-25, 2016. <http://www.assit2016.org/com.htm>

7) 2016 International Conference on Environment, Civil and Transportation Engineering (ECTE 2016), Phuket, Thailand, August 28-29, 2016. <http://www.ecte2016.org/com.htm>

8) The 4th International Conference on Automation and Control Engineering (CACE 2016), Yichang, China, September 17-18, 2016. <http://www.as-se.org/conf/cace2016/TPC.html>

9) International Conference on Artificial Intelligence: Techniques and Applications (AITA 2016), Shanghai, China, September 25-26, 2016. <http://www.aita2016.org/com.html>

10) 2016 International Conference on Management, Economics and Sustainable Development (MESD 2016), Shanghai, China, September 25-26, 2016. <http://www.mesd2016.org/com.htm>

11) 2016 International Conference on Advanced Education and Management Engineering (AEME 2016), Bangkok, Thailand, October 29-30, 2016. <http://www.aeme2016.org/com.htm>

12) 2016 International Conference on Applied Mathematics and Mechanics (ICAMM 2016), Bangkok, Thailand, October 29-30, 2016. <http://www.icamm2016.org/com.htm>

13) 2016 International Conference on Advanced Materials Science and Technology (AMST 2016), Shenzhen, China, October 30-31, 2016. <http://www.amst2016.org/com.htm>

14) The International Conference on Mechanical Design and Control Engineering (MDCE 2016), Wuhan, China, November 19-20, 2016. <http://www.mdce2016.org/?op=committee>

15) 2016 International Conference on Computer, Mechatronics and Electronic Engineering (CMEE 2016), Beijing, China, November 20-21, 2016. <http://www.cmee2016.org/com.html>

16) 2016 2nd International Conference on Artificial Intelligence and Industrial Engineering (AIIE 2016), Beijing, China, November 20-21, 2016. <http://www.aiie2016.org/com.html>

17) The 3rd International Conference on Mechanical Integration and Control Technology (MICT 2016), Guangzhou, China, December 16-17, 2016. <http://www.as-se.org/conf/mict2016/OrganizingCommittee.aspx>

18) International Conference on Economic Development and Trade Cooperation (EDTC 2016), Wuhan, China, December 17-18, 2016. <http://www.edtc2016.org/?op=committee>

19) 2016 International Conference on Applied Mechanics, Mechanical and Materials Engineering (AMMME 2016), Xiamen, China, December 18-19, 2016. <http://www.ammme2016.org/com.htm>

20) 2016 International Conference on Electrical Engineering and Automation (ICEEA 2016), Xiamen, China, December 18-19, 2016. <http://www.iceea2016.org/com.html>

21) 2016 International Conference on Economics, Management and Social Development (EMSD 2016), Zhangjiajie, China, December 23-25, 2016. <http://www.icemsd2016.org/?op=committee>

22) The International conference on Nano-materials, Function and Composite Materials (ICNFCM 2017), Hong Kong, China, January 7-8<sup>th</sup>, 2017. <http://www.icnfcmm.org/comm.html>

23) The 2017 2nd International Conference on Environmental Science and Energy Engineering

- (ICESEE 2017), Beijing, China, January 15<sup>th</sup> - 16<sup>th</sup>, 2017. <http://www.icesee2017.org/com.html>
- 24) 3<sup>rd</sup> International Congress on Technology - Engineering & Science (ICONTESS 2017), Kuala Lumpur, Malaysia, February 09 -10, 2017. <http://icontes.org/page.php?id=1>
- 25) The 2<sup>nd</sup> International Conference on Advanced Material Science and Engineering (AMSE 2017), Shenzhen, China, February 24<sup>th</sup> - 26<sup>th</sup>, 2017. <http://www.amse2017.org/?op=committee>
- 26) 2017 6<sup>th</sup> International Conference on Advanced Materials and Engineering Materials (ICAMEM 2017), Singapore, Singapore, March 11<sup>th</sup> -12<sup>th</sup>, 2017. <http://www.icamem.org/committee.html>
- 27) 2017 2<sup>nd</sup> International Conference on Modelling, Simulation and Applied Mathematics (MSAM 2017), Bangkok, Thailand, March 26<sup>th</sup> -27<sup>th</sup>, 2017. <http://www.msam2017.org/com.html>
- 28) International Conference on Mechanical and Mechatronics Engineering (ICMME 2017), Bangkok, Thailand, March 26<sup>th</sup> -27<sup>th</sup>, 2017. <http://www.icmme2017.org/com.html>
- 29) 2017 International Conference on Mechanics, Civil Engineering and Building Material (MCEBM 2017), Nanjing, China, April 21<sup>th</sup>-23<sup>th</sup>, 2017. <http://www.mcebm2017.org/?op=committee>
- 30) 3<sup>rd</sup> Annual International Conference on Modern Education and Social Science (MESS 2017), Nanjing, China, April 21<sup>th</sup>-23<sup>th</sup>, 2017. <http://www.mess2017.org/?op=committee>
- 31) 2017 2<sup>nd</sup> International Conference on Electrical, Automation and Mechanical Engineering (EAME 2017), Shanghai, China, April 23<sup>rd</sup>-24<sup>th</sup>, 2017. <http://www.eame2017.org/com.html>
- 32) 2017 International Conference on Energy, Power and Environmental Engineering (ICEPEE 2017), Shanghai, China, April 23<sup>rd</sup>-24<sup>th</sup>, 2017. <http://www.icepee2017.org/com.htm>
- 33) Third International Conference on Biomedical Engineering and Science (BIOEN 2017), Dubai, United Arab Emirates, April 29<sup>th</sup>-30<sup>th</sup>, 2017. <http://cse2016.org/2017/bioen/program.html>
- 34) 2017 2<sup>nd</sup> International Conference on Test, Measurement and Computational Method (TMCM 2017), Beijing, China, May 21<sup>th</sup> - 22<sup>th</sup>, 2017. <http://www.tmcm2017.org/com.html>
- 35) The 2<sup>nd</sup> International Conference on Mechanical Control and Automation (ICMCA 2017), Guilin, China, May 26<sup>th</sup>-28<sup>th</sup>, 2017. <http://www.icmca2017.org/?op=committee>
- 36) The 2<sup>nd</sup> International Conference on Computer Science and Technology (CST 2017), Guilin, China, May 26<sup>th</sup>-28<sup>th</sup>, 2017. <http://www.cst2017.org/?op=committee>
- 37) 2017 International Conference on Mechanical Engineering and Materials (MEM 2017), Suzhou, China, June 23<sup>rd</sup>-25<sup>th</sup>, 2017. <http://www.mem2017.org/?op=committee>
- 38) 2017 International Conference on Electronic Industry and Automation (EIA 2017), Suzhou, China, June 23<sup>rd</sup>-25<sup>th</sup>, 2017. <http://www.eia2017.org/?op=committee>
- 39) 5<sup>th</sup> Annual International Conference on Material Science and Engineering (ICMSE 2017), Suzhou, Jiangsu, China, June 23<sup>rd</sup>-25<sup>th</sup>, 2017. <http://www.icmse2017.org/?op=committee>
- 40) The 2017 2<sup>nd</sup> International Conference on Advanced Materials Science and Environmental Engineering (AMSEE 2017), Sanya, China, June 25<sup>th</sup>-26<sup>th</sup>, 2017. <http://www.amsee2017.org/com.html>
- 41) The 2017 2<sup>nd</sup> International Conference on Control, Automation and Artificial Intelligence (CAAI 2017), Sanya, China, June 25<sup>th</sup>-26<sup>th</sup>, 2017. <http://www.caa2017.org/com.html>
- 42) 2<sup>nd</sup> International conference on Advanced Management Science and Information Engineering (AMSIE 2017), Sanya, China, June 25<sup>th</sup>-26<sup>th</sup>, 2017. <http://www.amsie2017.org/com.html>
- 43) The 2017 2<sup>nd</sup> International Conference on Advanced Electronic Science and Technology (AEST 2017), Xiamen, China, July 14-16, 2017. <http://www.aest2017.org/?op=committee>
- 44) The 2<sup>nd</sup> Annual International Conference on Information System and Artificial Intelligence (ISAI 2017), Tianjin, China, July 14-16<sup>th</sup>, 2017. <http://www.isai2017.org/?op=committee>
- 45) The 2017 International Conference on Electronic Engineering and Wireless Communication (EEWC 2017), Tianjin, China, July 15<sup>th</sup>-17<sup>th</sup>, 2017. <http://www.eewc2017.com/?op=committee>
- 46) 2017 the 1<sup>st</sup> International Conference on Materials Engineering and Composite Materials (ICMECM 2017), Hong Kong, China, July 22<sup>nd</sup>-23<sup>rd</sup>, 2017. <http://www.icmecm.org/Committee.html>
- 47) The International Conference on Nano-materials, Function and Composite Materials (ICNFCM 2017), Hong Kong, China, July 22<sup>nd</sup>-23<sup>rd</sup>, 2017. <http://www.icnfc.com/comm.html>
- 48) The 4<sup>th</sup> International Congress on Technology - Engineering & Science, ICONTESS, Kuala Lumpur, Malaysia, August 5<sup>th</sup>-6<sup>th</sup>, 2017. <http://icontes.org/page.php?id=1>
- 49) 3<sup>rd</sup> Annual 2017 International Conference on Management Science and Engineering (MSE 2017), Guilin, Guangxi, China, August 18-20, 2017. <http://www.mse2017.com/?op=committee>
- 50) The 3<sup>rd</sup> Annual International Workshop on Materials Science and Engineering (IWMSE 2017), Guangzhou, Guangdong, China, September 8<sup>th</sup> -10<sup>th</sup>, 2017. <http://www.iwmse2017.org/?op=committee>
- 51) The 2017 2<sup>nd</sup> International Conference on Mechatronics, Control and Automation Engineering (MCAE 2017), Shenzhen, China, September 17<sup>th</sup>-18<sup>th</sup>, 2017. <http://www.mcae2017.org/com.html>
- 52) 2017 International Conference on Economics, Management Engineering and Marketing (EMEM

2017), Xiamen, China, October 20<sup>th</sup>-22<sup>nd</sup>, 2017. <http://www.emem2017.org/?op=committee>

53) The International Conference on Control Engineering and Mechanical Design (CEMD 2017), Xiamen, China, October 20<sup>th</sup>-22<sup>nd</sup>, 2017. <http://www.cemd2017.org/?op=committee>

54) The 5th Annual International Conference on Material Science and Engineering (ICMSE2017), Xiamen, Fujian, China, October 20<sup>th</sup>-22<sup>nd</sup>, 2017. <http://www.icmse2017.org/?op=committee>

55) The 2017 2nd International Conference on Innovative Material Science and Technology (IMST2017), Kunming, China, October 20<sup>th</sup>-22<sup>nd</sup>, 2017. <http://www.imst2017.org/?op=committee>

56) The 2017 2nd International Conference on Computational Modeling, Simulation and Applied Mathematics (CMSAM2017), Beijing, China, October 22<sup>nd</sup>-22<sup>rd</sup>, 2017. <http://www.cmsam2017.org/com.html>

57) 2017 3rd International Conference on Green Materials and Environmental Engineering (GMEE2017), Beijing, China, October 22<sup>nd</sup>-23<sup>rd</sup>, 2017. <http://www.gmee2017.org/com.html>

58) The 2017 International Workshop on Materials Science and Mechanical Engineering (IWMSME 2017), Kunming, Yunnan, China, October 27<sup>th</sup>-29<sup>th</sup>, 2017. <http://www.iwmsme.org/Co.aspx>

59) The 2017 International Workshop on Economics, Business and Management (IWEBM 2017), Kunming, Yunnan, China, October 27<sup>th</sup>-29<sup>th</sup>, 2017. <http://www.iwebm.org/Co.aspx>

60) The 5th International Conference on Automation and Control Engineering (CACE 2017), Lushan, Jiangxi, China, November 10<sup>th</sup>-11<sup>th</sup>, 2017. <http://www.as-se.org/conf/CACE2017/TPC.html>

61) The 2nd Annual International Conference on Advanced Material Research and Application (AMRA 2017), Wuhan, Hubei, China, November 10<sup>th</sup>-12<sup>th</sup>, 2017. <http://www.amra2017.org/?op=committee>

62) 2017 3rd Annual International Conference on Computer Science and Mechanical Automation (CSMA 2017), Wuhan, Hubei, China, November 10<sup>th</sup>-12<sup>th</sup>, 2017. <http://www.csma2017.org/?op=committee>

63) The 2017 3rd International Conference on Education Science and Human Development (ESHD 2017), Chengdu, China, November 17<sup>th</sup>-19<sup>th</sup>, 2017. <http://www.eshd2017.org/?op=committee>

64) The International Conference on Energy and Mechanical Engineering (EME 2017), Chengdu, China, November 17<sup>th</sup>-19<sup>th</sup>, 2017. <http://www.eme2017.org/?op=committee>

65) The 2017 2nd International Conference on Human Society and Culture (HSC 2017), Zhuhai, China, November 17<sup>th</sup>-19<sup>th</sup>, 2017. <http://www.hsc2017.org/?op=committee>

66) 2017 International Conference on Mechanical Engineering and Applied Composite Materials (MEACM 2017), Hong Kong, China, November, 23<sup>rd</sup>-24<sup>th</sup>, 2017. <http://www.meacm.org/committees.html>

67) 2017 3rd International Conference on Social, Education and Management Engineering (SEME 2017), Shanghai, China, November 26-27, 2017. <http://www.seme2017.com/com.html>

68) 2017 The International Conference on Energy Engineering and Environmental Protection (EEEP 2017), Guangzhou, China, December 15<sup>th</sup>-17<sup>th</sup>, 2017. <http://www.eeep2017.org/?op=committee>

69) The 4th Annual International Conference on Material Engineering and Application (ICMEA 2017), Wuhan, China, December 15<sup>th</sup>-17<sup>th</sup>, 2017. <http://www.icmea2017.org/?op=committee>

70) The 2017 2nd International Conference on Economic Development and Management Engineering (EDME 2017), Wuhan, China, December 15<sup>th</sup>-17<sup>th</sup>, 2017. <http://www.edme2017.org/?op=committee>

71) The 2017 2nd International Conference on Computer, Mechatronics and Electronic Engineering (CMEE 2017), Xiamen, China, December 24<sup>th</sup>-25<sup>th</sup>, 2017. <http://www.cmee2017.org/com.html>

72) The 2017 International Conference on Mathematics, Modeling and Simulation Technologies and Applications (MMSTA 2017), Xiamen, China, December 24<sup>th</sup>-25<sup>th</sup>, 2017. <http://www.mmsta2017.org/com.html>

73) The 5th International Congress on Technology - Engineering & Science, ICONTES, Kuala Lumpur, Malaysia, February 1<sup>st</sup>-2<sup>nd</sup>, 2018. <http://www.icontes.org/page.php?id=1>

74) 2018 4th International Conference on Mechanical Structures and Smart Materials (4th ICMSSM 2018), Shenzhen, China, September 22<sup>nd</sup>-23<sup>rd</sup>, 2018. <http://www.icmssm.org/comm.html>

▪ **Peer-review (international conferences in chronological order):**

- 1) International Conference Management of Technology – Step to Sustainable Production (MOTSP 2013), 29-31 May 2013, Novi Vinodolski, Croatia. <http://www.uni-pr.edu/getattachment/Aktivitetet-Hulumtuese-dhe-Bursat-per-Studime/Last-Call.pdf.aspx>
- 2) IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2015), 19-24 April 2015, Brisbane, Queensland, Australia. <http://icassp2015.org/>.
- 3) The 4<sup>th</sup> Global Conference on Materials Science and Engineering (CMSE 2015), August 3-6, 2015 Macau, China. <http://www.cmseconf.org/index.html>.

- 4) The International Conference on Image Processing (ICIP 2015), 27-30 September 2015, Québec City, Canada. <http://www.icip2015.org/index.htm>.
- 5) The 2nd International Conference on Advance Materials Research and Application (AMRA 2015), December 18-21, 2015, Shenzhen, China. <http://www.amraconf.org/home.aspx>.
- 6) IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2016), 20-25 March 2016, Shanghai, China. <http://www.icassp2016.org>.
- 7) The 5th International Conference on Biomedical Engineering and Biotechnology (ICBEB 2016), August 1st - 4th, 2016, Hangzhou, China. <http://www.icbeb.org/index.html>.
- 8) The International Conference on Image Processing (ICIP 2016), 25-28 September 2016, Phoenix Convention Centre, Phoenix, Arizona, USA. <http://2016.ieeeicip.org/default.asp>.
- 9) The 5th Global Conference on Materials Science and Engineering (CMSE 2016), Taiwan, November 8th-11th, 2016. <http://www.cmseconf.org/index.html>.
- 10) The International Conference on Mechanical Design and Control Engineering (MDCE 2016), Wuhan, China, November 19-20, 2016. <http://www.mdce2016.org/>.
- 11) The 2<sup>nd</sup> International Conference on Advanced Material Science and Engineering (AMSE 2017), Shenzhen, China, February 24<sup>th</sup> - 26<sup>th</sup>, 2017. <http://www.amse2017.org/>
- 12) International Conference on Mechanical and Mechatronics Engineering (ICMME 2017), Bangkok, Thailand, March 26<sup>th</sup> -27<sup>th</sup>, 2017. <http://www.icmme2017.org/com.html>
- 13) 2017 International Conference on Mechanics, Civil Engineering and Building Material (MCEBM 2017), Nanjing, China, April 21<sup>th</sup>-23<sup>th</sup>, 2017. <http://www.mcebm2017.org/?op=committee>.
- 14) The 2nd International Conference on Mechanical Control and Automation (ICMCA 2017), Guilin, China, May 26<sup>th</sup>-28<sup>th</sup>, 2017. <http://www.icmca2017.org/?op=committee>.
- 15) The 2nd International Conference on Computer Science and Technology (CST 2017), Guilin, China, May 26<sup>th</sup>-28<sup>th</sup>, 2017. <http://www.cst2017.org/?op=committee>
- 16) The 42th International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2017), March 5-9, 2017, Hilton Conference Centre, New Orleans, USA. <http://www.ieee-icassp2017.org/call-for-papers.html>.
- 17) 2017 2nd International Conference on Advanced Electronic Science and Technology (AEST2017), Xiamen, China, July 14-16, 2017. <http://www.aest2017.org/?op=committee>
- 18) The 2nd Annual International Conference on Information System and Artificial Intelligence (ISAI2017), Tianjin, China, July 14-16th, 2017. <http://www.isai2017.org/?op=committee>
- 19) The 2017 International Conference on Electronic Engineering and Wireless Communication (EEWC 2017), Tianjin, China, July 15th-17th, 2017. <http://www.eewc2017.com/?op=committee>
- 20) The 3rd Annual International Workshop on Materials Science and Engineering (IWMSE 2017), Guangzhou, Guangdong, China, September 8 th -10 th, 2017. <http://www.iwmse2017.org/?op=committee>
- 21) 2017 IEEE International Conference on Image Processing (ICIP 2017), 17-20 September 2017, China National Convention Center in Beijing, China. <http://2017.ieeeicip.org/index.asp>.
- 22) 2017 International Conference on Economics, Management Engineering and Marketing (EMEM 2017), Xiamen, China, October 20<sup>th</sup>-22<sup>nd</sup>, 2017. <http://www.emem2017.org/?op=committee>
- 23) The 2017 2nd International Conference on Innovative Material Science and Technology (IMST2017), Kunming, China, October 20<sup>th</sup>-22<sup>nd</sup>, 2017. <http://www.imst2017.org/?op=committee>
- 24) The International Conference on Control Engineering and Mechanical Design (CEMD 2017), Xiamen, China, October 20<sup>th</sup>-22<sup>nd</sup>, 2017. <http://www.cemd2017.org/?op=committee>
- 25) The 6th Global Conference on Materials Science and Engineering (CMSE 2017), organized by Wuhan Advance Materials Society, October 24<sup>th</sup> - 27<sup>th</sup>, 2017, in Beijing, China. <http://www.cmseconf.org/index.html>.
- 26) The 2017 International Workshop on Economics, Business and Management (IWEBM 2017), Kunming, Yunnan, China, October 27th -29th, 2017. <http://www.iwebm.org/Co.aspx>
- 27) The 2017 International Workshop on Materials Science and Mechanical Engineering (IWMSME 2017), Kunming, Yunnan, China, October 27th -29th, 2017. <http://www.iwmsme.org/Co.aspx>
- 28) 2017 3rd Annual International Conference on Computer Science and Mechanical Automation (CSMA 2017), Wuhan, Hubei, China, November 10th-12th, 2017. <http://www.csma2017.org/?op=committee>
- 29) The 2017 2nd International Conference on Human Society and Culture (HSC 2017), Zhuhai, China, November 17<sup>th</sup>-19<sup>th</sup>, 2017. <http://www.hsc2017.org/?op=committee>
- 30) The 2017 2nd International Conference on Biological Sciences and Technology (BST 2017), Zhuhai, China, November 17<sup>th</sup>-19<sup>th</sup>, 2017. <http://www.bst2017.org/?op=committee>
- 31) 2017 The International Conference on Energy Engineering and Environmental Protection (EEEP

2017), Guangzhou, China, December 15<sup>th</sup>-17<sup>th</sup>, 2017. <http://www.eeep2017.org/?op=committee>  
32) The 2017 2nd International Conference on Economic Development and Management Engineering (EDME 2017), Wuhan, China, December 15<sup>th</sup>-17<sup>th</sup>, 2017. <http://www.edme2017.org/?op=committee>

▪ **Member of national and international scientific organizations:**

- The International Society of the Arts, Mathematics and Architecture (ISAMA). <http://www.isama.org/>
- The International Association of Engineers (IAENG), (member no: 103481). <http://www.iaeng.org/>
- International Association of Advanced Materials (IAAM) (membership number: 647311403026), UCS, Teknikringen 4A, Mjardevi Science Park, Linköping, 583 30, Sweden. <https://www.iaamonline.org/>
- The Romanian Committee for History and Science Philosophy and Technics (CRIFST) of Cluj Branch of Romanian Academy. <http://www.crist.ro/>

▪ **International biographical catalog:**

The Encyclopedia of personalities from Romania, fifth edition, pp. 1418, 2010, ISBN 978-3-7290-0093-3. Editor: Who is Who, Verlag für Personenzyklopädien AG, CH-6304 Zug, Alpenstrasse 16, Schweiz, <http://www.whoiswho-verlag.ch>, <http://www.whoiswho-verlag.ro>.

- Who's Who in the World 2012 – 29th Edition, November 2011, ISBN: 978-0837911472. Editor: Marquis Who's Who, 430 Mountain Avenue, Suite 400, New Providence, NJ 07974, USA. <http://www.marquiswhoswho.com>.

▪ **Home Page:**

[http://scholar.google.ro/citations?view\\_op=search\\_authors&mauthors=%22stefan+tal%22&hl=ro&oi=ao](http://scholar.google.ro/citations?view_op=search_authors&mauthors=%22stefan+tal%22&hl=ro&oi=ao)

▪ **Citation indices**

	All	Since 2011
Citations	1196	1168
h-index (Hirsch index) in Google Scholar	20	20
i10-index	44	42

▪ **ORCID identifier**, <https://orcid.org/0000-0003-1311-7657>

▪ **Publons identifier**, <https://publons.com/author/441875/stefan-talu#profile>

▪ **WorldCat identifier**,

[https://www.worldcat.org/search?q=%22stefan+tal%22&fq=&dblist=638&qt=first\\_page](https://www.worldcat.org/search?q=%22stefan+tal%22&fq=&dblist=638&qt=first_page)

▪ **Scopus identifier**, <https://www.scopus.com/authid/detail.uri?authorId=36476658600>

▪ **Mendeley identifier**, <https://www.mendeley.com/profiles/tefan-lu/stats/>

▪ **ResearchGate identifier**,

[https://www.researchgate.net/profile/Stefan\\_Talu2?ev=hdr\\_xprf&\\_sg=33VicVByH-u8h3\\_nhEt0xtnwO22M4v1fw0oveXgCDAPFooFSaOcv5ixXhUhlHP](https://www.researchgate.net/profile/Stefan_Talu2?ev=hdr_xprf&_sg=33VicVByH-u8h3_nhEt0xtnwO22M4v1fw0oveXgCDAPFooFSaOcv5ixXhUhlHP)

▪ **Google Scholar identifier**, <http://scholar.google.ro/citations?user=dpex0cYAAAAJ&hl=ro>

▪ **Articles published in collaboration in ISI Thomson Reuters quoted journals, with impact factor and relative influence score** (areas: technical, medical engineering, biomedical sciences): 61 articles (16 articles in the red zone, 9 articles in the yellow zone and 36 articles in the grey zone) published in collaboration with 150 researchers from 21 countries: Italy, USA, UK, Poland, Mexico, Iraq, Malaysia, Serbia, India, Czech Republic, Bulgaria, Iran, Russian Federation, Croatia, Slovakia, Turkey, Hungary, Spain, Canada, China and Colombia.

▪ **Specialization and internships in abroad:**

23.02.1996 - 23.03.1996, S-JEP 08004-94 Tempus programme. "Escuela Tecnica Superior de Ingenieros Industriales", University of Sevilla, Spain, in Computer Aided Design.

▪ **Scientific activity:**

I published 17 books (7 books, single author; 3 books, main author; 7 books, co-author), in publishers recognized by CNCSIS (with ISBN) and 1 guide for laboratory work (without ISBN) published at the Publisher House of The Technical University of Cluj-Napoca.

I am co-author at a book chapter published in English by InTech, Open Access Publisher, Croatia, January 2012, ISBN 978-953-307-864-9. URL: <http://www.intechopen.com/>

**A. BOOKS**



1. ADRIAN FLORESCU-GLIGORE, MAGDALENA ORBAN, **ȘTEFAN ȚĂLU**, *Dimensioning in technological and constructive engineering graphics*, Cluj-Napoca, Lithography of The Technical University of Cluj-Napoca, 1998, 151 p., 197 fig., 6 tab., 11 ref.
2. **ȘTEFAN ȚĂLU**, *Computer assisted graphical representations*, Cluj-Napoca, Osama Publishing house, 2001, 380 p., 220 fig., 9 tab., 10 ref., ISBN 973 - 99408 -2 -X.
3. **ȘTEFAN ȚĂLU**, *Computer assisted technical graphics*, Cluj-Napoca, Victor Melenti Publishing house, 2001, 282 p., 170 fig., 8 tab., 10 ref., ISBN 973-99539-3-X.
4. CORINA BÎRLEANU, **ȘTEFAN ȚĂLU**, *Machine elements. Designing and computer assisted graphical representations*, Cluj-Napoca, Victor Melenti Publishing house, 2001, 335 p., 148 fig., 16 tab., 25 ref., ISBN 973-99539-6-4.
5. THEODOR NIȚULESCU, **ȘTEFAN ȚĂLU**, *Applications of descriptive geometry and computer aided design in engineering graphics*, Cluj-Napoca, Risoprint Publishing house, 2001, 242 p., 162 fig., 35 tab., 18 ref., ISBN 973-656-102-X.
6. **ȘTEFAN ȚĂLU**, *AutoLISP programming language. Theory and applications*, Cluj-Napoca, Risoprint Publishing house, 2001, 112 p., 20 fig., 17 ref., ISBN 973-656-126-7.
7. **ȘTEFAN ȚĂLU**, THEODOR NIȚULESCU, *The axonometric projection*, Cluj-Napoca, Risoprint Publishing house, 2002, 242 p., 269 fig., 1 tab., 30 ref., ISBN 973-656-198-4.
8. ANCA-ANDREEA SUCIU, **ȘTEFAN ȚĂLU**, *Descriptive geometry. Problems and applications*, Cluj-Napoca, Risoprint Publishing house, 2003, 120 p., 131 fig., 28 ref., ISBN 973-656-466-5.
9. **ȘTEFAN ȚĂLU**, *AutoCAD 2005*, Cluj-Napoca, Risoprint Publishing house, 2005, 584 p., 490 fig., 27 tab., 9 ref., ISBN 973-751-061-5.
10. MIHAI ȚĂLU, **ȘTEFAN ȚĂLU**, *The calculation of pressure declines in hydraulic pipes. Stabilized and unstabilized regimes of flow. Theory, applications and computational programmes*, Craiova, Universitaria Publishing house, 2006, 212 p., 101 fig., 110 tab., 15 ref., ISBN-10 973-742-370-4, ISBN-13 978-973-742-370-2.
11. ADRIAN FLORESCU-GLIGORE, **ȘTEFAN ȚĂLU**, DAN NOVEANU, *Representation and visualization of geometric shapes in industrial drawing*, Cluj-Napoca, U. T. Pres Publishing house, 2006, 164 p., 237 fig., 33 ref., ISBN-10 973-662-230-4, ISBN-13 978-973-662-230-4.
12. **ȘTEFAN ȚĂLU**, MIHAI ȚĂLU, *AutoCAD 2006. Three-dimensional designing*, Cluj-Napoca, MEGA Publishing house, 2007, 330 p., 136 fig., 6 tab., 31 ref., ISBN-13 978-973-7867-81-0.
13. **ȘTEFAN ȚĂLU**, CRISTINA RACOCEA, *Axonometric representations with applications in technique*, Cluj-Napoca, MEGA Publishing house, 2007, 246 p., 312 fig., 3 tab., 48 ref., ISBN 978-973-7867-98-8.
14. **ȘTEFAN ȚĂLU**, *Architectural styles*, Cluj-Napoca, MEGA Publishing house, 2009, 420 p., 1218 fig., 59 ref., ISBN 978-973-1868-72-1.
15. **ȘTEFAN ȚĂLU**, *Descriptive geometry*, Cluj-Napoca, Risoprint Publishing house, 2010, 476 p., 928 fig., 51 ref., ISBN 978-973-53-0373-0.
16. MIHAI ȚĂLU, **ȘTEFAN ȚĂLU**, MIRCEA RĂDULESCU, *Fluid Mechanics. Volumetric and hydrodynamic machines. Theory and simulation*, Craiova, Universitaria Publishing house, 2011, 144 p., 147 fig., 2 tab., 40 ref., ISBN 978-606-14-0035-5.
17. CRISTINA RACOCEA, **ȘTEFAN ȚĂLU**, *The axonometric representation of technical geometric shapes*, Cluj-Napoca, Napoca Star Publishing house, 2011, 300 p., 371 fig., 3 tab., 47 ref., ISBN 978-973-647-781-2.
18. **ȘTEFAN ȚĂLU**, *Micro and nanoscale characterization of three dimensional surfaces. Basics and applications*, Cluj-Napoca, Napoca Star Publishing house, 2015, 350 p., 116 fig., 10 tab., 215 ref., ISBN 978-606-690-349-3.
19. **ȘTEFAN ȚĂLU**, *AutoCAD 2017*, Cluj-Napoca, Napoca Star Publishing house, 2017, 790 p., 677 fig., 5 tab., 35 ref., ISBN 978-606-690-629-6.

I published 317 scientific papers (170 papers as single author or first author), in journals, at symposia and scientific national and international conferences, in country or abroad. Among them: 61 papers in ISI quoted journals, with impact factor and relative influence score, 140 papers in international databases, 36 papers at national conference and 80 papers at international conferences.

Public presentations at national and international scientific events (congresses, conferences, workshops - oral presentations and posters): 170.

I was a member of the research team, during 2001 - 2016, at: 7 research projects, awarded by national competition and 2 international research projects. I was Project Manager at: two national research projects, awarded by national competition and at 7 national research projects with Romanian

economic partners.

Themes/Research grants: - new products and original technologies: 5.

I was assessor of the proposed national contracts CNCSIS, Romania, in 2007.

#### ▪ Awarding of research results – articles published in ISI journals

Awards: 25 awards from the National Programme for Development, Research and Innovation (UEFISCDI, <http://uefiscdi.gov.ro>) of research results – articles published in ISI journals (16 articles in the red zone and 9 articles in the yellow zone: 1 in 2010; 1 in 2011; 1 in 2013, 7 in 2014, 10 in 2015, 5 in 2016).

### B. CHAPTERS IN BOOKS

1. SIMONA-DELIA ȚĂLU, ȘTEFAN ȚĂLU, *Use of OCT Imaging in the diagnosis and monitoring of Age Related Macular Degeneration*. In "Age Related Macular Degeneration – The Recent Advances in Basic Research and Clinical Care", part 2, chapter 13, pg. 253-272. Edited by: Dr. Gui-Shuang Ying, University of Pennsylvania School of Medicine, United States of America. Published by InTech, Janeza Trdine 9, 51000 Rijeka, Croatia, January 2012, 300 p., ISBN 978-953-307-864-9.

URL: <http://www.intechopen.com/articles/show/title/use-of-oct-imaging-in-the-diagnosis-and-monitoring-of-age-related-macular-degeneration>

### C. SCIENTIFIC PAPERS PUBLISHED IN ISI THOMSON REUTERS JOURNALS

1. MARCO LOMBARDO, ȘTEFAN ȚĂLU, MIHAI ȚĂLU, SEBASTIANO SERRAO, PIETRO DUCOLI, *Surface roughness of intraocular lenses with different dioptric powers assessed by atomic force microscopy*. In: Journal of Cataract & Refractive Surgery, Vol. 36, Issue 9, p. 1573 -1578, September 2010. DOI: 10.1016/j.jcrs.2010.06.031. ISSN: 0886-3350. Reference impact factor (domain) on 2010: IF = 2.942. Relative influence score (Scientific Journal) on 2010: IS = 1.532.

URL: [http://www.jcrsjournal.org/article/S0886-3350\(10\)00893-X/abstract](http://www.jcrsjournal.org/article/S0886-3350(10)00893-X/abstract)

2. STEFANO GIOVANZANA, ȘTEFAN ȚĂLU, *Mathematical models for the shape analysis of human crystalline lens*. In: Journal of Modern Optics, Vol. 59, Issue 1, p. 26-34, 2012. DOI:10.1080/09500340.2011.621035. Print ISSN: 0950-0340, Online ISSN: 1362-3044. Reference impact factor (domain) on 2012: IF = 1.872. Relative influence score (Scientific Journal) on 2012: IS = 1.074.

URL: <http://www.tandfonline.com/doi/abs/10.1080/09500340.2011.621035>

3. STEFANO GIOVANZANA, RONALD A. SCHACHAR, ȘTEFAN ȚĂLU, ROGER D. KIRBY, ERIC YAN, BARBARA K PIERSCIONEK, *Evaluation of equations for describing the human crystalline lens*. In: Journal of Modern Optics, Vol. 60, Issue 5, p. 406-413, 2013. DOI: 10.1080/09500340.2013.782432. Print ISSN: 0950-0340, Online ISSN: 1362-3044. Reference impact factor (domain) on 2013: IF = 1.163. Relative influence score (Scientific Journal) on 2013: IS = 0.974.

URL: <http://www.tandfonline.com/doi/full/10.1080/09500340.2013.782432>

4. ȘTEFAN ȚĂLU, *Multifractal geometry in analysis and processing of digital retinal photographs for early diagnosis of human diabetic macular edema*. In: Current Eye Research, vol. 38, no. 7, p. 781-792, 2013. DOI: 10.3109/02713683.2013.779722. Print ISSN: 0271-3683, Online ISSN: 1460-2202. Reference impact factor (domain) on 2013: IF = 1.663. Relative influence score (Scientific Journal) on 2013: IS = 0.884.

URL: <http://informahealthcare.com/doi/abs/10.3109/02713683.2013.779722>

5. ȘTEFAN ȚĂLU, *Characterization of surface roughness of unworn hydrogel contact lenses at a nanometric scale using methods of modern metrology*. In: Polymer Engineering and Science, vol. 53, Issue 10, pages 2141-2150, 2013. DOI: 10.1002/pen.23481. Print ISSN: 0032-3888. Online ISSN: 1548-2634. Reference impact factor (domain) on 2013: IF = 1.441. Relative influence score (Scientific Journal) on 2013: IS = 1.349.

URL: <http://onlinelibrary.wiley.com/doi/10.1002/pen.23481/full>

6. STEFANO GIOVANZANA, HENRYK T. KASPRZAK, B. PAŁUCKI, ȘTEFAN ȚĂLU, *Non-rotational aspherical models of the human optical system*. In: Journal of Modern Optics, vol. 60, no. 21, p. 1898-1904, 2013. DOI: 10.1080/09500340.2013.865802. Print ISSN: 0950-0340, Online ISSN: 1362-3044. Reference impact factor (domain) on 2013: IF = 1.163. Relative influence score (Scientific Journal) on

2013: IS = 1.102.

URL: <http://www.tandfonline.com/doi/pdf/10.1080/09500340.2013.865802>

<http://dx.doi.org/10.1080/09500340.2013.865802>

**7. ȘTEFAN ȚĂLU**, SEBASTIAN STACH, ALIA MÉNDEZ, GABRIEL TREJO, MIHAI ȚĂLU, *Multifractal characterization of nanostructure surfaces of electrodeposited Ni-P coatings*. In: Journal of The Electrochemical Society, vol. 161, no. 1, D44 - D47, 2014. DOI: 10.1149/2.039401jes. Print ISSN: 0013-4651. Online ISSN: 1945-7111. Reference impact factor (domain) on 2014: IF = 3.266. Relative influence score (Scientific Journal) on 2014: IS = 1.967.

URL: <http://jes.ecsdl.org/content/161/1/D44.abstract>

**8. ȘTEFAN ȚĂLU**, ALAA J. GHAZAI, SEBASTIAN STACH, ABU HASSAN, ZAINURIAH HASSAN, MIHAI ȚĂLU, *Characterization of surface roughness of Pt Schottky contacts on quaternary n-Al<sub>0.08</sub>In<sub>0.08</sub>Ga<sub>0.84</sub>N thin film assessed by atomic force microscopy and fractal analysis*. In: Journal of Materials Science: Materials in Electronics, vol. 25, no. 1, p. 466-477, 2014. DOI: 10.1007/s10854-013-1611-6. Print ISSN: 0957-4522. Online ISSN: 1573-482X. Reference impact factor (domain) on 2014: IF = 1.569. Relative influence score (Scientific Journal) on 2014: IS = 0.755.

URL: <http://link.springer.com/article/10.1007/s10854-013-1611-6>

**9. ȘTEFAN ȚĂLU**, ZORAN MARKOVIĆ, SEBASTIAN STACH, B. TODOROVIĆ MARKOVIĆ, MIHAI ȚĂLU, *Multifractal characterization of single wall carbon nanotube thin films surface upon exposure to optical parametric oscillator laser irradiation*. In: Applied Surface Science, vol. 289, p. 97-106, 2014. DOI: 10.1016/j.apsusc.2013.10.114. Print ISSN: 0169-4332. Reference impact factor (domain) on 2014: IF = 2.711. Relative influence score (Scientific Journal) on 2014: IS = 1.967.

URL: <http://www.sciencedirect.com/science/article/pii/S0169433213019739>

**10. ALINA ELENA PÂRVU**, ȘTEFAN ȚĂLU, CONSTANTIN CRĂCIUN, SANDU FLORIN ALB, *Evaluation of scaling and root planning effect in generalized chronic periodontitis by fractal and multifractal analysis*. In: Journal of Periodontal Research, vol. 49, no. 2, p. 186-196, 2014. DOI: 10.1111/jre.12093. Print ISSN: 0022-3484, Online ISSN: 1600-0765. Reference impact factor (domain) on 2014: IF = 2.466. Relative influence score (Scientific Journal) on 2014: IS = 1.243.

URL: <http://onlinelibrary.wiley.com/doi/10.1111/jre.12093/abstract>

**11. ȘTEFAN ȚĂLU**, SEBASTIAN STACH, *Multifractal characterization of unworn hydrogel contact lens surfaces*. In: Polymer Engineering and Science, vol. 54, no. 5, p. 1066-1080, 2014. DOI: 10.1002/pen.23650. Print ISSN: 0032-3888. Online ISSN: 1548-2634. Reference impact factor (domain) on 2014: IF = 1.520. Relative influence score (Scientific Journal) on 2014: IS = 1.349.

URL: <http://onlinelibrary.wiley.com/>; <http://onlinelibrary.wiley.com/doi/10.1002/pen.23650/full>

**12. ALINA ELENA PÂRVU**, ȘTEFAN ȚĂLU, MARIAN AUREL TAULESCU, ANDREEA BOTA, FLORINELA CĂTOI, CONSTANTIN CRĂCIUN, CAMELIA ALB, SANDU FLORIN ALB, *Fractal analysis of ibuprofen effect on experimental dog peri-implantitis*. In: Implant Dentistry, vol. 23, no. 3, p. 295-304, 2014. DOI: 10.1097/ID.000000000000065. Print ISSN: 1056-6163. Reference impact factor (domain) on 2014: IF = 1.175. Relative influence score (Scientific Journal) on 2014: IS = 0.863.

URL: <http://journals.lww.com/implantdent>

[http://journals.lww.com/implantdent/Abstract/2014/06000/Fractal\\_Analysis\\_of\\_Ibuprofen\\_Effect\\_on.13.aspx](http://journals.lww.com/implantdent/Abstract/2014/06000/Fractal_Analysis_of_Ibuprofen_Effect_on.13.aspx)

**13. ȘTEFAN ȚĂLU**, SEBASTIAN STACH, AMAN MAHAJAN, DINESH PATHAK, TOMAS WAGNER, ANSHUL KUMAR, RATISH KUMAR BEDI, *Multifractal analysis of drop-casted copper (II) tetrasulfophthalocyanine film surfaces on the indium tin oxide substrates*. In: Surface and Interface Analysis, vol. 46, no. 6, p. 393-398, 2014. DOI: 10.1002/sia.5492. Print ISSN: 0142-2421. Online ISSN: 1096-9918. Reference impact factor (domain) on 2014: IF = 1.245. Relative influence score (Scientific Journal) on 2014: IS = 0.616.

URL: <http://onlinelibrary.wiley.com/>; <http://onlinelibrary.wiley.com/doi/10.1002/sia.5492/abstract>

**14. ȘTEFAN ȚĂLU**, SEBASTIAN STACH, JOANA ZAHARIEVA, MARIA MILANOVA, DIMITAR TODOROVSKY, STEFANO GIOVANZANA. *Surface roughness characterization of poly(methylmethacrylate) films with immobilized Eu(III)  $\beta$ -Diketonates by fractal analysis*. In: International Journal of Polymer Analysis and Characterization, vol. 19, no. 5, p. 404-421, 2014. DOI: 10.1080/1023666X.2014.904149. Print ISSN: 1023-666X. Online ISSN: 1563-5341. Reference impact factor (domain) on 2014: IF = 1.264. Relative influence score (Scientific Journal) on 2014: IS = 0.504.

URL: <http://www.tandfonline.com/doi/full/10.1080/1023666X.2014.904149>

**15. DINARA DALLAEVA**, ȘTEFAN ȚĂLU, SEBASTIAN STACH, PAVEL ŠKARVADA, PAVEL TOMÁNEK, LUBOMÍR GRMELA, *AFM imaging and fractal analysis of surface roughness of AlN*

- epilayers on sapphire substrates*. In: Applied Surface Science, vol. 312, p. 81-86, 2014. DOI: 10.1016/j.apsusc.2014.05.086. Print ISSN: 0169-4332. Reference impact factor (domain) on 2014: IF = 2.711. Relative influence score (Scientific Journal) on 2014: IS = 1.967.  
URL: <http://www.sciencedirect.com/science/article/pii/S0169433214011039>
- 16. BIANCA SZABO, ȘTEFAN ȚĂLU, CARMEN A. LUPAȘCU**, *Application of fractal dimension in analysis of human retinal images in malignant choroidal melanoma patients*. In: Sylwan Journal, vol. 158, no. 7, p. 1-10, 2014. Print ISSN: ISSN: 0039-7660. Reference impact factor (domain) on 2014: IF = 0.322. Relative influence score (Scientific Journal) on 2014: IS = 0.057.  
URL: <http://sylwan.ibles.org/archive.php?v=158&i=7>  
[http://sylwan.ibles.org/syl/search.php?searchQuery=Bianca Szabo, Stefan Ta, Carmen A. Lupascu&search=search](http://sylwan.ibles.org/syl/search.php?searchQuery=Bianca%20Szabo,%20Stefan%20Ta,%20Carmen%20A.%20Lupascu&search=search)
- 17. ȘTEFAN ȚĂLU, SEBASTIAN STACH, AMAN MAHAJAN, DINESH PATHAK, TOMAS WAGNER, ANSHUL KUMAR, RATISH KUMAR BEDI, MIHAI ȚĂLU**, *Multifractal characterization of water soluble copper phthalocyanine based films surfaces*. In: Electronic Materials Letters, vol. 10, no. 4, p. 719-730, 2014. DOI: 10.1007/s13391-013-3270-4. Print ISSN: 1738-8090. Electronic ISSN: 2093-6788. Reference impact factor (domain) on 2014: IF = 1.980. Relative influence score (Scientific Journal) on 2014: IS = 0.668.  
URL: <http://link.springer.com/article/10.1007/s13391-013-3270-4>
- 18. ȘTEFAN ȚĂLU, SEBASTIAN STACH, JOANA ZAHARIEVA, MIROSLAVA GETSOVA, DENITSA ELENKOVA, MARIA MILANOVA**, *Micromorphology characterization of SiO<sub>2</sub>-based composite thin films with immobilized terbium(III) complex*. In: International Journal of Polymer Analysis and Characterization, vol. 19, no. 7, p. 648-660, 2014. DOI: 10.1080/1023666X.2014.953749. Print ISSN: 1023-666X. Online ISSN: 1563-5341. Reference impact factor (domain) on 2014: IF = 1.264. Relative influence score (Scientific Journal) on 2014: IS = 0.504.  
URL: <http://www.tandfonline.com/doi/full/10.1080/1023666X.2014.953749>
- 19. DENITSA ELENKOVA, JOANA ZAHARIEVA, MIROSLAVA GETSOVA, ILIA MANOLOV, MARIA MILANOVA, SEBASTIAN STACH, ȘTEFAN ȚĂLU**, *Morphology and optical properties of SiO<sub>2</sub>-Based composite thin films with immobilized Terbium(III) complex with a biscoumarin derivative*. In: International Journal of Polymer Analysis and Characterization, vol. 20, no. 1, p. 42-56, 2015. DOI: 10.1080/1023666X.2014.955400. Print ISSN: 1023-666X. Online ISSN: 1563-5341. Reference impact factor (domain) on 2015: IF = 1.264. Relative influence score (Scientific Journal) on 2014: IS = 0.462.  
URL: <http://www.tandfonline.com/doi/full/10.1080/1023666X.2014.955400>
- 20. ȘTEFAN ȚĂLU, SEBASTIAN STACH, SANDU FLORIN ALB, MARCO SALERNO**, *Multifractal characterization of a dental restorative composite after air-polishing*. In: Chaos, Solitons & Fractals, vol. 71, p. 7-13, 2015. DOI: 10.1016/j.chaos.2014.11.009. ISSN: 0960-0779. Reference impact factor (domain) on 2015: IF = 1.448. Relative influence score (Scientific Journal) on 2015: IS = 0.807.  
URL: <http://www.sciencedirect.com/science/article/pii/S0960077914001994>
- 21. ȘTEFAN ȚĂLU, SEBASTIAN STACH, TIJANA LAINOVIĆ, MARKO VILOTIĆ, LARISA BLAŽIĆ, SANDU FLORIN ALB, DAMIR KAKAŠ**, *Surface roughness and morphology of dental nanocomposites polished by four different procedures evaluated by a multifractal approach*. In: Applied Surface Science, vol. 330, p. 20-29, 2015. DOI: 10.1016/j.apsusc.2014.12.120. Print ISSN: 0169-4332. Reference impact factor (domain) on 2015: IF = 2.711. Relative influence score (Scientific Journal) on 2015: IS = 1.488.  
URL: <http://www.sciencedirect.com/science/article/pii/S0169433214028463>
- 22. ȘTEFAN ȚĂLU, SEBASTIAN STACH, VIVIAN SUEIRAS, NOËL MARYSA ZIEBARTH**, *Fractal analysis of AFM images of the surface of Bowman's membrane of the human cornea*. In: Annals of Biomedical Engineering, vol. 43, no. 4, p. 906-916, 2015. DOI: 10.1007/s10439-014-1140-3. Print ISSN: 0090-6964. Online ISSN: 1573-9686. Reference impact factor (domain) on 2015: IF = 3.195. Relative influence score (Scientific Journal) on 2015: IS = 1.801.  
URL: <http://link.springer.com/article/10.1007%2Fs10439-014-1140-3#>
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**61.** **ȘTEFAN ȚĂLU**, MIROSLAW BRAMOWICZ, SLAWOMIR KULESZA, FRANCESCA PIGNATELLI, MARCO SALERNO, *Surface morphology analysis of composite thin films based on Titanium dioxide nano particles*. In: Acta Physica Polonica A, published by The Institute of Physics of the Polish Academy of Sciences, vol. 131, no. 6, p. 1529-1533, 2017. DOI: 10.12693/APhysPolA.131.1529. PL ISSN 0587-4246 (printed), PL ISSN 1898-794X (electronic). Reference impact factor (domain) on 2016: IF = 0.525. Relative influence score (Scientific Journal) on 2016: IS = 0.284.

URL: <http://przybrwn.icm.edu.pl/APP/PDF/131/a131z6p20.pdf>

**62.** **ȘTEFAN ȚĂLU**, RAM PRATAP YADAV, ASHOK KUMAR MITTAL, ALI ARMAN, CARLOS LUNA, AMINE ACHOOR, MOHSEN MARDANI, AZIN AHMADPOURIAN, SIRVAN NADERI, ALI ASGHAR ZAVARIAN, FATEMEH HAFEZI, ALI SAGHI, ALIA MÉNDEZ, GABRIEL TREJO, *Application of Mie Theory and Fractal Models to Determine the Optical and Surface Roughness of Ag-Cu Thin Films*. In: Optical and Quantum Electronics, published by Springer, vol. 49, nr. 256, p. 1-15, 2017. DOI: 10.1007/s11082-017-1079-3. Print ISSN: 0306-8919. Online ISSN: 1572-817X. Reference impact factor (domain) on 2015: IF = 1.290. Relative influence score (Scientific Journal) on 2015: IS = 0.678.

URL: <https://link.springer.com/article/10.1007/s11082-017-1079-3>

**63.** **ȘTEFAN ȚĂLU**, MIROSLAW BRAMOWICZ, SLAWOMIR KULESZA, ILENIA FIORILLO, STEFANO GIOVANZANA, *Fractal features and surface micromorphology of unworn surfaces of rigid gas permeable contact lenses*. In: Current Eye Research, published by Taylor & Francis, vol. 42, no. 8, p. 1118-1123, 2017. DOI: 10.1080/02713683.2017.1293115. Print ISSN: 0271-3683, Online ISSN: 1460-2202. Reference impact factor (domain) on 2016: IF = 2.025. Relative influence score (Scientific Journal) on 2016: IS = 0.939.

URL: <http://www.tandfonline.com/doi/abs/10.1080/02713683.2017.1293115>

**64.** **ȘTEFAN ȚĂLU**, MIROSLAW BRAMOWICZ, SLAWOMIR KULESZA, VALI DALOUJI, MANSOURE ILKHANI, ATEFEH GHADERI, SHAHRAM SOLAYMANI, *Influence of annealing process on surface micromorphology of Carbon-Nickel composite thin films*. In: Optical and Quantum Electronics, published by Springer, vol. 49, no. 6, p. 204(1-9), 2017. DOI 10.1007/s11082-017-1040-5. Print ISSN: 0306-8919, Online ISSN: 1572-817X. Reference impact factor (domain) on 2017: IF = 1.055. Relative influence score (Scientific Journal) on 2017: IS = 0,439.

URL: <https://link.springer.com/article/10.1007/s11082-017-1040-5>

**65.** ALI-REZA GRAYELI-KORPI, CARLOS LUNA, ALI ARMAN, **ȘTEFAN ȚĂLU**, *Influence of the oxygen partial pressure on the growth and optical properties of RF-sputtered anatase TiO<sub>2</sub> thin films*. In: Results in Physics, published by Elsevier, vol. 7, p. 3349-3352, 2017. DOI: 10.1016/j.rinp.2017.08.018. Print Edition ISSN: 2211-3797. Reference impact factor (domain) on 2016: IF = 0.946. Relative influence score (Scientific Journal) on: IS = 0.658.

URL: [http://ac.els-cdn.com/S2211379717312020/1-s2.0-S2211379717312020-main.pdf?\\_tid=07c7b57a-98b6-11e7-a5d7-00000aacb35e&acdnat=1505329504\\_a0f6c23dcda535421f2ae575b2013ead](http://ac.els-cdn.com/S2211379717312020/1-s2.0-S2211379717312020-main.pdf?_tid=07c7b57a-98b6-11e7-a5d7-00000aacb35e&acdnat=1505329504_a0f6c23dcda535421f2ae575b2013ead)

I was a member of the research team, during 2001 - 2017, at: 7 research projects, awarded by national competition and 2 international research projects. I was Project Manager at: two national research projects, awarded by national competition and at 10 national research projects with Romanian economic partners.

#### ▪ **Projects / contracts awarded by international competition**

**1.** International project funded by the European Commission and the Government of Romania, "Instrument for Structural Policies for Pre-Accession", ISPA project Cluj-Napoca, 2003. Objective: "Rehabilitation and extension of water supply and sewerage from Cluj area".

Project duration: 19.05.2003 - 31.08.2007. Beneficiary: Somes Water Company S.A.  
Contractor: SADE Branch Cluj-Napoca. Technical assistance and supervision: DHV Water BV of the DHV Group and Elite Company. Total budget: EUR 34,085,707.  
Position in the project: member of the research team, Maintenance Management specialist.  
2. International Research contract obtained through international competition, no. 3 of 24.03.2006, signed by the University of Craiova, Romania and the TETŐ-MIX KFT company, Hungary, Budapest. Contract theme "*Modelling and simulation of thermo-elastoplasto-hydrodynamic phenomena in microzones of contact-piece tool in the process of cold rolling thread*".  
Project duration: 24.03.2006 - 30.08.2006. Contract manager: Senior lecturer eng. Mihai Țălu, Ph.D, from the University of Craiova, Faculty of Mechanical Engineering. Total budget: EUR 700.

**• Grants obtained through national competitions**

1. Competition based grant - Grant no. GR 7067/2001, signed by M.E.C. and U.T. Cluj Napoca. Theme B6: "Research on the design and execution of rolls with an attack cone for the cold rolling of threads". Phase 1: 2001: "*Research on optimal design and manufacturing technology of rolls with an attack cone for rolling with axial advance of long threaded rods*". Period: 10.10.2001 - 15.12.2001. Total budget: 35.3 million ROL. [http://www.utcluj.ro/facultatea\\_de\\_mecanica/research.php](http://www.utcluj.ro/facultatea_de_mecanica/research.php). The position in the grant: Grant director.
2. Competition based grant - AT Grant no. 34970/2001, CNCSIS Code 210, signed by M.E.C. and U.T.Cluj Napoca. Theme 14: "Research on mechatronic systems with applications in rehabilitation engineering". Phase 1: 2001. "*Research on the analysis of mechatronic systems with applications in rehabilitation engineering. Criteria of optimization*". Grant Director: Assoc. Prof. Eng. Silviu Dan Mândru PhD. Period: 10.02.2001 – 15.12.2001. Total budget: RON 70,000,000. Position in grant: member of the research team, CAD specialist.
3. Competition based grant - Grant GR 7067/2001, signed by M.E.C and U.T.Cluj Napoca. Theme B2: "Research on the analysis and synthesis of the basic functions of mechatronic systems". Phase 1: 2001. "*Studies on structural, construction, and functional analysis of mechatronic systems*". Grant Director: Prof. Eng. Vistrian Mătieș, PhD. Period: 10.02.2001 – 15.12.2001. Total budget: ROL 100,000,000. Position in the grant: member of the research team, CAD specialist.
4. Competition based grant - AT Grant no. 34970/2001, CNCSIS Code 210, signed by M.E.C. and U.T.Cluj Napoca. Theme 14: "Research on mechatronic systems with applications in rehabilitation engineering". Phase 2: 2002. "Constructive and functional optimization of several mechatronic systems with applications in rehabilitation engineering". Grant Director: Assoc. Prof. Eng. Silviu Dan Mândru, PhD. Period: 10.01.2002 – 15.12.2002. Total budget: ROL 120,000,000. Position in the grant: member of the research team, CAD specialist.
5. Competition based grant - Grant A 26/2004, CNCSIS Code 1051, signed by M.E.C. and U.T.Cluj-Napoca. Theme: "Research on robotic systems for people with disabilities". Phase 1: 2004. "*Research on the analysis of robotic systems with applications in rehabilitation*". Grant Director: Assoc. Prof. Eng. Silviu Dan Mândru, PhD. Period: 10.01.2004 – 15.12.2004. Total budget: ROL 120,000,000. Position in the grant: research team member, CAD specialist.
6. Competition based grant - no. 34702/2005, CNCSIS Code 1051, signed by M.E.C. and U.T.Cluj-Napoca. Theme A 31: "Research on robotic systems for people with disabilities". Phase 2: 2005. "*Design, implementation, and testing of a robotic system to recover joint mobility and the ability to control movements in the human upper limb.*" Grant Director: Prof. Eng. Silviu Dan Mândru, PhD. Period: 10.01.2005 – 15.12.2005. Total budget: RON 8.000. Position in the grant: research team member, CAD specialist.
7. Competition based grant – no. 2783/23.05.2006, signed by M.E.C. and U.T.Cluj Napoca. Theme A 8: "*Research on the development of an interactive system for learning Braille alphabet and sign language*". Phase 1: 2006. Grant Director: Prof. Eng. Silviu Dan Mândru, PhD. Period: 23.05.2006 - 15.12.2006. Total Budget: RON 19,000. Position in the grant: research team member, CAD specialist.
8. Competition based grant - Exploratory Research Project - PN-II-ID-PCE-2007-1 Code: ID\_1107/2007, Contract no. 440/1/10/2007, signed by M.E.C.T. (CNCSIS, UEFISCSU) and U.T.Cluj-Napoca. Subject: "Developing a database with representations of complex surfaces and objects using engineering graphics. Applications in art and technology". Grant Director: Assoc. Prof. Eng. Stefan Țălu, PhD. Period: 3.10.2007 – 1.10.2009. Total budget: ROL 165.450. <http://utcluj.wgz.ro/>. Position in the grant: Grant director.
9. Competition based grant - Exploratory Research Project - PN-II-ID-PCE-2007-1 Code: ID\_459/2007, signed by M.E.C.T. (CNCSIS, UEFISCSU) and UMF "Iuliu-Hațieganu" Cluj-Napoca. Subject:

"Clinical and experimental research on vitreo-retinal surgery. Vitreo-retinal biomechanics with applications in the design of visual prosthesis". Grant Director: Senior lecturer MD. Simona-Delia Țălu, PhD, UMF "Iuliu-Hațieganu" Cluj-Napoca. Period: 3.10.2007 – 1.10.2010. Total budget: RON 270,000. Position in the grant: research team member, CAD specialist.

▪ **Other contracts**

1. Research contract no. 19/08.02.2005, "*Vapor pressure steaming technology of beech, walnut and other semi-finished wooden materials for Type PA 20 SIC Steamer FIARD SRL*", signed by U.T.Cluj-Napoca and the FIARD SRL Complex Industrial Society, with headquarters in Luna de Sus, com Florești, at no. 11, Întreprinzătorilor Street, post code 3442, Cluj county, Romania. Period: 08.02.2005 - 10.03.2005. Total budget: RON 6,000,000. [http://www.utcluj.ro/facultatea\\_de\\_mecanica/cercetare.php](http://www.utcluj.ro/facultatea_de_mecanica/cercetare.php). Position in the contract: Contract manager.

2. Research contract no. 165/26.04.2012, "*Theoretical and experimental research on the development of special lighting systems*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 26.04.2012 - 31.08.2012. Total budget: RON 5,280. Position in the contract: Contract manager.

3. Research contract no. 185/08.29.2012, "*Research with the finite element method on the analysis of water vapor diffusion in building elements of brick block type*", signed by U.T.Cluj-Napoca and S.C. TIPLEXIM S.R.L., located at Ap. 6, Sc.1, Bl. A13, Calea Severin str., post code 200215, Craiova, Dolj county. Period: 29.08.2012 - 31.11.2012. Total budget: RON 3,960. Position in the contract: Contract manager.

4. Research contract no. 217/14.12.2012, "*CAD analysis of several constructive variants of special lighting systems*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.12.2012 - 31.12.2012. Total budget: RON 1,320. Position in the contract: Contract manager.

5. Research contract no. 6/21.01.2013, "*Methods of modelling and performance indicators for special lighting systems*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.01.2013 - 31.01.2013. Total budget: RON 1,320. Position in the contract: Contract manager.

6. Research contract no. 16/22.02.2013, "*Research on constructive changes of special indoor luminaires for industrial halls*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.02.2013 - 28.02.2013. Total budget: RON 1,400. Position in the contract: Contract manager.

7. Research contract no. 24/20.03.2013, "*Constructive and functional optimization of several components of special indoor luminaires for industrial halls*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.03.2013 - 31.03.2013. Total budget: RON 1,400. Position in the contract: Contract manager.

8. Research contract no. 36/22.04.2013, "*Application of the finite element method in designing of indoor luminaires for industrial halls*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.04.2013 - 31.07.2013. Total budget: RON 5,600. Position in the contract: Contract manager.

9. Research contract no. 57/09.07.2013, "*The utilisation of rapid prototyping manufacturing technology to modernize the special indoor luminaires for industrial halls*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.09.2013 - 31.12.2013. Total budget: RON 5,600. Position in the contract: Contract manager.

10. Research contract no. 2/10.01.2014, "*Designing and modernization of special indoor luminaires for industrial halls. Types and variants. Special technical conditions. Installation, testing, maintenance and operation*", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.01.2014 - 31.12.2014. Total budget: RON 16,800. Position in the contract: Contract manager.

11. Research contract no. 1/08.01.2015, "*Traductoare de nivel. Comutatoare de nivel. Traductoare analitice. Traductoare de scurgere. Traductoare de temperatură. Senzori. Accesorii (Comutator multifunctional UNICONT PKK; Temporizator NITIME; Sursa de alimentare NIPower). Types and variants. Special technical conditions. Installation, testing, maintenance and operation.*", signed by

U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.01.2015 - 31.12.2015. Total budget: RON 18,700. Position in the contract: Contract manager.

12. Addendum no. 1 of 12.09.2015 for extension for a period of 2 (two) years for Research contract no. 1 of 08/01/2015, "Level transmitters. Level switches. Analytical transmitters. Float transmitters. Temperature transmitters. Sensors. Accesories (Multifunctional current controlled switch module UNICONT PKK; Time relay modules NITIME; Power supply NIPOWER). Types and variants. Special technical conditions. Installation, testing, maintenance and operation.", signed by U.T.Cluj-Napoca and S.C. NIVEL CONSTRUCT S.R.L., located at apt. 2, no. 1, Gruia Street, post code 400171, Cluj-Napoca, Cluj county. Period: 01.01.2015 - 31.12.2015. Total budget: RON 47,280. Position in the contract: Contract manager.

▪ **OTHER REPRESENTATIVE ACTIVITIES:**

▪ **Editorial board member of:**

1) *American Journal of Biomedical Science and Engineering*, USA,

<http://www.aascit.org/journal/editorial?journalId=893>.

2) *Advances in Environmental Sciences - International Journal of the Bioflux Society (Short title: AES Bioflux)*, Online ISSN 2065-7647, Printed ISSN 2066-7620. <http://www.aes.bioflux.com.ro/>

3) *Journal of Civil and Architectural Engineering*, USA. <http://crescopublications.org/journals/jcae.php>.

▪ **Scientific Reviewer of:**

1) *Extreme Life, Biospeology & Astrobiology - International Journal of the Bioflux Society (Short title:*

*ELBA Bioflux)*, ISSN 2067-6360 (online). <http://www.elba.bioflux.com.ro/>

2) *Mathematics and Computers in Simulation*, ISSN: 0378-4754.

<http://www.journals.elsevier.com/mathematics-and-computers-in-simulation/>.

3) *Materials Research Innovations*, Print ISSN: 1432-8917, Online ISSN: 1433-075X.

<http://www.maneyonline.com/loi/mri>.

4) *Journal of Biomedical Materials Research Part B - Applied Biomaterials*,

Online ISSN: 1552-4981. [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1552-4981](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1552-4981).

5) *Acta Polytechnica Hungarica*, ISSN 1785-8860. <http://uni-obuda.hu/journal/>.

6) *Journal of Oil, Gas and Coal Engineering (JOGCE)*, ISSN: 0767-0974.

<http://premierpublishers.org/jogce>.

7) *Issues in Scientific Research*, ISSN:2408-7513. <http://www.journalissues.org/ISR/>.

8) *Applied Physics A: Materials Science & Processing*, ISSN: 0947-8396 (print version), ISSN: 1432-

0630 (electronic version). <http://www.springer.com/materials/journal/339>.

9) *Journal of Materials Science: Materials in Electronics*, ISSN: 0957-4522 (print version), ISSN: 1573-482X (electronic version).

<http://www.springer.com/materials/optical+%26+electronic+materials/journal/10854>.

10) *PLOS ONE*, ISSN 1932-6203, <http://pone.edmgr.com/>.

11) *Journal of Applied Polymer Science*, Online ISSN: 1097-4628.

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1097-4628/](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1097-4628/).

12) *Journal of Crystal Growth*, ISSN: 0022-0248. <http://www.journals.elsevier.com/journal-of-crystal-growth/>.

13) *International Journal of Science and Technology Education Research*, ISSN: 2141-6559.

<http://www.academicjournals.org/journal/IJSTER>.

14) *The Open Civil Engineering Journal*, ISSN: 1874-1495. <http://benthamopen.com/TOCIEJ/home/>.

15) *Sky Journal of Biochemistry Research*, ISSN 2315-8786. <http://www.skyjournals.org/SJBR>.

16) *Materials Research Bulletin*, ISSN: 0025-5408. <http://www.journals.elsevier.com/materials-research-bulletin/>.

27) *Research on Chemical Intermediates*, ISSN: 0922-6168 (Print) 1568-5675 (Online).

<http://link.springer.com/journal/11164>.

18) *International Journal of Environmental Science and Toxicology Research (IJESTR)*, ISSN: 2408-

7262. <http://internationalinventjournals.org/journals/IJESTR/home.html>.

19) *Micron*, ISSN: 0968-4328. <http://www.journals.elsevier.com/micron/>

20) *Thin Solid Films*, ISSN: 0040-6090. <http://www.journals.elsevier.com/thin-solid-films/>.

21) *International Journal of Hydrogen Energy*, ISSN: 0360-3199.

<https://www.journals.elsevier.com/international-journal-of-hydrogen-energy/>

- 22) *CrystEngComm*, ISSN 1466-8033. <http://www.rsc.org/journals-books-databases/about-journals/crystengcomm/>
- 23) *International Research Journal of Medicine and Biomedical Sciences*, ISSN: 2360-8803. <https://www.journalissues.org/IRJMBS/>
- 24) *Sensor Letters*, ISSN: 1546-198X (Print): EISSN: 1546-1971 (Online). <http://www.aspbs.com/sensorlett/>
- 25) *Colloids and Surfaces B: Biointerfaces*, ISSN: 0927-7765. <https://www.journals.elsevier.com/colloids-and-surfaces-b-biointerfaces>
- 26) *International Journal of Thermophysics*, ISSN: 0195-928X (Print) 1572-9567 (Online). <https://link.springer.com/journal/10765>
- 27) *Results in Physics*, ISSN: 2211-3797, <https://www.journals.elsevier.com/results-in-physics/>
- **Scientific reviewer of national journals:**
- 1) *Scientific Bulletin of University of Pitesti, Automotive series*, ISSN 1453-1100. <http://automotive.upit.ro>

Cluj-Napoca,  
Date: October 1<sup>st</sup> 2017

Signature  
Assoc. Prof. Ph.D. Eng. Țălu Ștefan

