



Elisabeta – Cristina TIMIȘ

nee Ani
ectimis@chem.ubbcluj.ro

publons.com, B-4196-2011
https://www.researchgate.net/profile/Elisabeta_Timis
<https://www.linkedin.com/in/cristinaani/>
http://www.chem.ubbcluj.ro/romana/ANEX/inginerie/personal_eng.php
http://www.chem.ubbcluj.ro/romana/ANEX/inginerie/centre/ccdicac/ccdicac_2016_eng.html

I am a professional with multidisciplinary work experience and educational background. I have academic and industrial R&D and Project Management practice, with a proven track record of successful projects implementation.

WORK EXPERIENCE

February 2019 –
 present

Lecturer of Mathematical Modelling of Processes

Department of Chemical Engineering, Faculty of Chemistry and Chemical Engineering,
 Research Centre in Computer Aided Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, România

- Course and laboratory: Mathematical Modelling of Processes and Artificial Intelligence.
- Laboratory teaching: Automation of Chemical Processes.
- Research areas of interest: computer aided process/systems engineering; process modelling, simulation and control; optimization of processes and products; development of engineering tools to reduce experimental workload; artificial intelligence in chemical and environmental engineering; water pollution and water management, river water quality; pollutant transport and pollution counteraction; new product development; product evaluation; stucco/gypsum based building materials development, testing and validation.

September 2011 –
 present

Technical Consultant

Employers / partners: Car Rentals (Cluj, Romania); Mondo Engineering and Innovation Oy (Finland)

- Projects for different business areas: food industry; agri-business; services. Details offered upon request.
- Use of specific software and development of engineering tools. Manage other technical requests.

July 2011 –
 February 2019

Product Development Specialist

Saint-Gobain Construction Products Romania; Rigips Business Unit; Fabrica de Ipsos Turda, Cluj, Romania

- Lead product development for gypsum-based powders (a team of 5): from product design to product launch
- Transform market needs and internal opportunities into profitable products or technology
- Ownership and accountability for the product portfolio from technical and performance point of view
- Design product strategy and new product together with other departments
- Budgeting and ensure budget and timeline fulfilment
- Identify needs (regarding people and resources) in order to achieve goals and ensure further development
- Cooperation and coordination between own department and other departments and project prioritization
- Work with geographically distributed team
- Products development, testing, validation and monitoring during market trials and market launch
- Documentation and reports for product and raw material approval
- Ensure PD is done in line with national, EU and company internal standards and capacities
- Technical support/training for customers and sales team regarding new products
- Co-expertise claims in case of major concern. Define quality control for new products and raw materials
- Saint-Gobain International Group member: technical meetings, support international projects
- Leader to major projects: 2 new products developed and launched, cost reduction (>20), product optimization (>20), alternative formulations for products, new raw materials tested and approved (>20), product ageing studies (>5), development of internal training tools (e.g. product defects manual). Contributor to implementing technological investments in Turda Plaster Plant (e.g. new laboratory technology, innovative packaging line worth 1.65 Million Euro, co-founded by the European Found for Regional Development).

October 2010 –
 March 2012

Post-doctoral researcher

Research Centre in Computer Aided Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, România

- Research on modelling and control of complex systems, founded within the frameworks of the European Social Fund Project POSDRU/89/1.5/S/60189. Coordinating student's research projects: one MSc and two BEng.
- Teaching assistant: Theory of Systems; Process Optimization.
- Author and co-author of research projects proposals: one FP7, one Erasmus Mundus and two national projects. Published books and articles. Details available upon request.

- October 2005-
August 2007
October 2009-
September 2010
- PhD Student**
Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, Romania / Department of Chemical Engineering and Oxide Materials
- Research on process modelling and simulation. The main field is river water quality and pollutant transport.
 - Teaching assistant: Theory of Systems; Process Optimization, Fluid Mechanics and Momentum Transfer.
 - Coordinating student's research projects: one MSc and three BEng.
 - One international research visit, in May 2007 at the Eidgenössische Technische Hochschule (ETH) Zurich, Institut für Automatik, Zurich, Switzerland. Working for the common institutional partnership project IB7420-111104.
 - Participant in organizing ESCAPE 17, held in May 2007 in Bucharest.
- September 2007 –
December 2009
- PhD Student**
Lappeenranta University of Technology, Department of Chemical Technology, Lappeenranta, Finland
- Research and development activities for the doctoral thesis, within the frameworks of the double PhD. degree agreement between Babeș-Bolyai University and Lappeenranta University of Technology.
 - The main field is pollutant transport in rivers: process modelling, simulation and knowledge re-use for the minimization of experimental workload.
 - Two research visits from May to July 2008 at the Centre for Ecology & Hydrology (CEH Wallingford), Oxfordshire, England and Heriot-Watt University, The School of the Built Environment, Edinburgh, Scotland. Using data held at CEH to develop a model for nutrient transport along a river stretch. The model results are assessed in conjunction with the output from a water quality model used at CEH. Using data sets collected at Heriot-Watt for the validation of a mathematical model I was developing. The model describes the transport of a pollutant along a stream, after instantaneous release.
-
- EDUCATION AND TRAINING**
- October 2005 –
September 2010
- Doctor in Chemical Engineering**
Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, Romania
Thesis "Modelling of pollutant transport in rivers: process engineering approach"
- September 2005 –
December 2009
- Doctor of Science in Technology (awarded with Honours)**
Lappeenranta University of Technology, Lappeenranta, Finland
Thesis: "Minimization of the experimental workload for the prediction of pollutants propagation in rivers. Mathematical modelling and knowledge re-use"
- October 2004 –
June 2005
- MSc in Chemical Engineering**
Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, Romania
- Advanced Process Engineering. Computer Aided Process Engineering.
 - Dissertation: "Modelling and simulation of an ideal binary distillation column"
- October 1999 –
June 2004
- Dipl. Eng. in Chemical Engineering**
Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, Romania
- Computer Aided Chemical Systems. Process Engineering.
 - Diploma work: "Modelling and simulation of hydrogen-oxygen PEM fuel cells"
 - Erasmus scholarship from February 2003 to May 2003, Polytechnic University of Cataluña, School of Industrial Engineering of Barcelona (ETSEIB), Spain.
- October 2001 –
June 2016
- BA in Political Sciences**
Faculty of Political Science and Public Administration, Babeș-Bolyai University, Cluj-Napoca, Romania
- Political Sciences. Dissertation on democracy and democratization: "Bosnia-Herzegovina Police Reform through international monitoring"
- October 1999 –
June 2003
- Baccalaureate Diploma**
National College "Andrei Mureșanu", Bistrita, România, Minor: Chemistry – Biology
- October 1999 –
June 2003
- Certificate of graduation of Pedagogic Module**
Babeș-Bolyai University, Cluj-Napoca, Romania
- Licence to teach chemistry and chemical engineering related courses.

- TRAINING**
- Environment, Health and Safety Continuous Improvement, Turda, 2011 – 2016
 - Error Identification and Solving Strategy, Turda, September 2016
 - Corporate Anti-Corruption, Turda, July 2011 and September 2016
 - European Competition Law, Turda, July 2011 and September 2016
 - Gender Balance Awareness, Turda, September 2016
 - Giving and Receiving Feedback, Cluj-Napoca, September 2015
 - Strategically Thinking, Bucharest, September 2013
 - Cellulose ethers for gypsum-based powders, April 2013
 - Defensive Driving, March 2013
 - Additives for Construction Products, Bucharest, November 2012
 - Jointing Compounds and Building Plasters, Puchberg (Austria), November 2011
 - Building Plasters, East Leak (England), December 2011
 - Value Stream Mapping, Turda, October 2011
 - COMSOL use for Transport Phenomena and Chemical Engineering, Zurich (Switzerland), May 2007
 - Data Analysis and Development with MATLAB Products, Bucharest, November 2006
 - UK-SouthEastEurope Forum. People and politics strand. Series of trainings and workshops on political process and political party organizations. Comparative approach of SEE countries and UK political systems. Organized by British Council in Cluj-Napoca, Bucharest and Sofia (Bulgaria), March 2004 – January 2007
 - Project writing and project management, August 2002 and October 2003

PERSONAL SKILLS

- Mother tongue** Romanian
- Other languages** English (advanced, C1) – ALPHA Centre Certificate of Language Ability, 2005
 French (intermediate plus, B2) – ALPHA Centre Certificate of Language Ability, 2004
 Spanish (advanced, C1)
 Italian (elementary plus, A2)
 German (elementary, A1)
- Communication skills**
- Good communication and presentation skills gained through my experience in academia (conference presentations, student coaching and teaching) and industry (project management, customer technical support and training, work with geographically distributed teams).
 - Willing and supportive for giving and receiving feedback due to the lessons learned during academic coaching, industrial project management and frequent evaluation sessions.
- Organisational / managerial skills**
- Strong work consciousness and ethic.
 - Leadership: coordinating a team of 5 people during the industrial product development activity.
 - Project management: multiple industrial projects carried out successfully.
 - During the industrial experience I became comfortable leading cross-functional teams, involving experts in quality, industrial manufacturing, supply chain, marketing and sales.
 - A good attitude. A team works much better when its members are happy.
 - Proven multi-tasking abilities by the diverse fields of education and activity I have carried out.
 - Timelines are not a problem for me, even when under intense pressure.
 - I enjoy sharing and receiving knowledge with the aim of team growth and objectives achievement.
 - Easily adaptable to new activity fields illustrated by the various areas I have worked in.
 - Capable to take ownership of problems and solve them efficiently.
 - Persuasive, focused and goal oriented.
- Digital skills**
- good command of office suite (word processor, spread sheet, presentation software)
 - Programming and modelling: Matlab, Matlab/Simulink, COMSOL
 - Computer Aided Chemical Process Design: ChemCAD
 - Programs used in the past (beginner): LabView, Visual Basic, ArcView GIS, LaTeX, SPSS
- Technical skills**
- New product design, development and launch. Design product portfolio strategy from technical point of view.
 - Cost reduction via product and process optimization
 - Test design and laboratory / site test workload minimisation
 - Claim analysis, quality control, product and process monitoring. Product ageing studies
 - Expertise in interior coating products: dry mortars based on stucco (further details available upon request)

- Expertise in chemical products: gypsum; manufacturing of stucco; stucco-based products development and use; cellulose ethers, starch ethers, retarders and other additives used in building products.
- Expertise in Chemical Engineering / Computer Aided Process Engineering: mathematical modelling of processes; parameter estimation; optimization techniques; knowledge management (e.g. case-based reasoning); transport phenomena (e.g. distillation columns), environment and sustainable development (e.g. water quality; river pollution counteraction using automated control systems; pollutant dispersion in the atmosphere; basics of fuel cells).

Driving licence B

ADDITIONAL INFORMATION

National Research Projects Membership	<p>1.PNCDI Parteneriate 71-006/2007, Romanian National Centre for Programs Management (CNMP), 2007-2010, 300.000 RON, "Mathematical modelling and automatic control by using artificial intelligence tools applied to chemistry and process engineering". Publications: Ani et al., 2010b; Ani et al., 2010c; Ani et al., 2010d.</p> <p>2.PNCDI Parteneriate 12131/25.09.2008, Romanian National Centre for Programs Management (CNMP), 2008-2010, 500.000 RON, "Expert system for contained prognosis of hepatic chronic diseases using the analysis of biological and portal hemodynamic parameters". Publications: Ani et al., 2009c.</p> <p>3.PNCDI Capacitați 100/CP/I/2007, Romanian National Authority for Scientific Research (ANCS), 2007-2009, 2.000.000 RON, "Food Safety Control by developing an integrate system of modeling, simulation and advanced control of the fermentative bioprocesses in food industry".</p> <p>4.CEEX 612/2005, Romanian National Centre for Programs Management (CNMP), 2005-2008, 1.500.000 RON, "Integrated evaluation system of pollutants propagation in running waters and estimation of their impact on population health in the area". Publications: Ani et al., 2011a; Avramenko et al., 2009; Ani and Agachi, 2007.</p> <p>5.CNCSIS 1324/2006, 2006-2007, "Metode predictive de contracarare a efectelor poluarii accidentale a raurilor prin reglarea evoluata bazata pe modelare matematica". Publications: Ani, Agachi, 2007.</p>
International Research Projects – as Beneficiary	<p>1.POSDRU 89/1.5/S/60189, co-financed by the European Social Fund, 2010-2012, „Postdoctoral Programs for Sustainable Development in a Knowledge Based Society”. Publications: Timis et al., 2015; Cristea et al., 2013; Ani et al., 2012; Ani et al., 2010b.</p> <p>2.IB7420-111104 (2007, Swiss National Science Foundation).</p>
Scientific committees	<ul style="list-style-type: none"> ▪ Member: 10th International Conference on Chemical and Process Engineering, Florence, May 2011
Memberships	<ul style="list-style-type: none"> ▪ Babes-Bolyai University Students Organization (OSUBB), General Secretary, 2001 – 2005 ▪ Students in Political Sciences Society, Babes Bolyai University, Project coordinator, 2001 – 2002 ▪ Active member of the National Peasant's Christian Democratic Party (PNȚCD) between 1998 – 2004, with the highest position of National Vice-President between 2003 and 2004.
Honours and Awards	<p><u>Paper ranking</u>: July to September 2009 - ScienceDirect TOP25 Hottest Articles – paper #10: Ani, E.C., Wallis, S.G., Kraslawski, A., Agachi, P.Ș., 2009. Development, calibration and evaluation of two mathematical models for pollutant transport in a small river. <i>Environmental Modelling and Software</i>, 24, 10, 1139-1152.</p> <p><u>Award</u>: December 2003 - Babes Bolyai University Award for Contribution to the Academic Reform Process. Cluj-Napoca, Romania.</p> <p><u>Award</u>: November 1998 – Corneliu Coposu Bistrița-Năsăud Foundation Special Award for Extracurricular Activity and School Performances. Bistrita, Romania.</p> <p><u>Scholarship</u>: August 2007 - PhD Research Scholarship within the frameworks of the Graduate School in Chemical Engineering, founded by the Ministry of Education and the Academy of Finland.</p> <p><u>Scholarship</u>: PostDoc Position founded by Sectoral Operational Programme for Human Resources Development 2007-2013, co-financed by the European Social Fund, under the project number POSDRU 89/1.5/S/60189 with the title „Postdoctoral Programs for Sustainable Development in a Knowledge Based Society”.</p> <p><u>Grant</u>: May – July 2008, Research stage abroad founded by the Graduate School in Chemical Engineering.</p>
Reviewer	<p>Environmental Pollution; Ecological Modelling Environmental Engineering and Management Journal; Proceedings of Institution of Civil Engineers - Water Management; Limnology and Oceanography: Methods</p>
Scientometric data (at 31.05.2019)	<p>Hirsch Index 5 (WoS), Impact factor sum ≈16, RG Score 15.02 citations 79 (Web of Science), 116 (Researchgate), 139 (Google Academic)</p>

ANNEXES

Publications list

- a) Publications listed in WoS Core Collection
- 1) **Timis (Ani) E.C.**, Cristea M.V., Agachi P.Ș., 2015. Factors influencing pollutant transport in rivers: Fickian approach applied to the Somes River. *Revista de Chimie*, 66, 9, 1495-1503.
 - 2) Cristea V.M., **Ani E.C.**, Agachi P.Ș., 2013. Advanced Control Used for Counteracting Accidental Pollutant Propagation in Rivers, *Computer Aided Chemical Engineering*, 32, 1003-1008.
 - 3) **Ani E.C.**, Cristea M.V., Agachi P.Ș., 2012. Mathematical models to support pollution counteraction in case of accidents. *Environmental Engineering and Management Journal*, 11, 1, 13-20.
 - 4) **Ani, E.C.**, Avramenko, Y., Kraslawski, A., Agachi, P.Ș., 2011a. Identification of pollution sources in Romanian Somes River using graphical analysis of concentration profiles. *Asia-Pacific Journal of Chemical Engineering*, 6, 5, 801-812, DOI:10.1002/apj.522.
 - 5) **Ani E.C.**, Cristea V.M., Agachi P.Ș., 2011b. Process engineering tools to reduce river in-stream pollution. *Chemical Engineering Transaction*, 24, part 3, 1075-1080, DOI: 10.3303/CET1124180.
 - 6) **Ani E.C.**, Hutchins M.G., Kraslawski A., Agachi P.Ș., 2010a. Mathematical model to identify nitrogen variability in large rivers. *River Research and Applications*, 27, 1216-1236. DOI: 10.1002/rra.
 - 7) **Ani E.C.**, Cristea V.M., Agachi, P.Ș., Kraslawski A., 2010b. Dynamic Simulation of Someș River Pollution Using MATLAB and COMSOL Models. *Revista de Chimie*, 61, 1108-1112.
 - 8) **Ani E.C.**, Hutchins M.G., Kraslawski A., Agachi P.Ș., 2010c. Assessment of pollutant transport and river water quality using mathematical models. *Revue Roumanie de Chimie*, 55, 4, 285-291.
 - 9) **Ani, E.C.**, Hutchins, M.G., Agachi, P.Ș., 2010d. Advection-dispersion model for nutrient dynamics in River Swale. In: Carrera, J., Sanchez-Vila, X., Fernandez-Garcia, D., Bolster, D. (Eds.), *Programme and Proceedings of the XVIII Conference on Computational Methods in Water Resources (CMWR 2010)*, June, 21-24, 2010, Barcelona, Spain, Dsignum Estudi Grafic, ISBN: 978-84-96736-93-1, <http://congress.cimne.com/CMWR2010>, p. 39, paper 276.
 - 10) **Ani E.C.**, Wallis S.G., Kraslawski A., Agachi P.Ș., 2009. Development, calibration and evaluation of two mathematical models for pollutant transport in a small river. *Environmental Modelling and Software*, 24, 10, 1139-1152.
 - 11) Avramenko Y., **Ani E.C.**, Kraslawski A., Agachi P.Ș., 2009b. Mining of graphics for information and knowledge retrieval. *Computers and Chemical Engineering*, 33, 3, 618-627.
 - 12) **Ani, E.C.**, Wallis, G., Kraslawski, A., Agachi, P.Ș., 2009c. Detailed mathematical model for pollutants transport in a natural stream. *Computer Aided Chemical Engineering*, 26, 731-736, doi: 10.1016/S1570-7946(09)70122-1.
 - 13) **Ani, E.C.**, Avramenko, Y., Kraslawski, A., Agachi, P.Ș., 2009d. Selection of models for pollutants transport in river reaches using case based reasoning. *Computer Aided Chemical Engineering*, 27, 537-542, doi: 10.1016/S1570-7946(09)70310-4.
 - 14) **Ani E.C.**, Agachi P.Ș., 2008. Prediction of the behaviour of a hydrogen-oxygen PEM fuel cell based on a simplified model. *Revue Roumaine de Chimie*, 53(5), 357-362.
- b) Papers published in conference proceedings
- 1) **Ani E.C.**, Cristea M.V., Agachi P.Ș., 2011c. Mathematical models to help pollution counteraction in case of accidents. In: Teodosiu C., Redey A., Robu B. (Eds.), 2011, *Proceedings of the 6th International Conference Environmental Engineering and Management: Green Future: Conference Abstracts Book*, 1st – 4th of September 2011, Balaton, Hungary, Ecozone, Iasi, 163-164.
 - 2) **Ani, E.C.**, Agachi, P.Ș., 2007. Numerical models to simulate pollution scenarios in Somes River. Paper 2029 in: Gani R. and Johannsen D.J., *6th European Congress of Chemical Engineering (ECCE-6) Proceedings book*, September, 16-21, Copenhagen, Denmark, ISBN 9788791435560 and 8791435560, <http://www.ecce6.kt.dtu.dk/>, Vol. 1, 985.
- c) Books and chapters in books
- 1) **Ani, E.C.** 2009. Minimization of the experimental workload for the prediction of pollutants propagation in rivers. Mathematical modelling and knowledge re-use. Acta Universitatis Lappeenrantaensis 355, Lappeenranta teknillinen yliopisto, Digipaino, Lappeenranta, Finland, pp. 189. ISBN 978-952-214-829-2.
 - 2) **Ani, E.C.** 2009. Research report: I. The identification of pollution sources from long term monitoring data. II. The reuse of knowledge in modelling pollutant transport in rivers. In: Maria Ljung (Ed.), *Yearbook 2008, Graduate School in Chemical Engineering*. Abo Akademi University, Turku, Finland, ISSN 1238-2647, p. 1-10.
 - 3) **Ani, E.C.** 2008. Research report: Propagation of pollutants and availability of high quality water in a river basin - case of Someș Basin Rivers. In: Maria Ljung (Ed.), *Yearbook 2008, Graduate School in Chemical Engineering*. Abo Akademi University, Turku, Finland, ISSN 1238-2647, 21-30.
 - 4) **Ani, E.C.**, Agachi, P.S. 2008. Prediction of the behaviour of a hydrogen-oxygen PEM fuel cell based on a simplified model. In: Thullie, J., Gierczycki, A., Piotrowski, K. (Eds.), *Computer Aided Process Engineering – current problems and trends*. Gliwice, Poland, ISBN: 978-83-60716-46-5, 77-92.
 - 5) **Ani, E.C.** 2007. Research report: Propagation of pollutants and availability of high quality water in a river basin as supply chain management - case of Someș Basin rivers. In: Maria Ljung (Ed.), *Yearbook 2007, Graduate School in Chemical Engineering*. Abo Akademi University, Turku, Finland, ISSN 1238-2647, 19-27.
- d) Other scientific contributions/ Conference presentations / technical forums presentations
- 1) **Timis, E.C.**, Cindea C.A., 2016. New PE Plaster Packing Line, aka Project BIG FISH. PE Packaging best practices. *Saint-Gobain Gypsum Powders Community Technical Meeting: Plasters & Jointing Compounds – Developed Countries*, Cluj, Romania, 23-26 May 2016.
 - 2) **Timis, E.C.**, Cindea C.A., 2015. New PE Packing Line at Turda Factory. Aka project BIG FISH. Project preparation and line implementation. *Saint-Gobain Gypsum Powders Community Technical Meeting: Plasters & Jointing Compounds – Developed Countries*, Bari, Italy, 19-29 October 2015.

- 3) **Timis, E.C.**, 2014, Building Plasters Development 2013 - 2014 Projects at Turda Plaster Plant, for the *Saint-Gobain Gypsum Powders Community Technical Meeting: Plasters & Jointing Compounds*, Zaragoza, Spain, October 2014.
- 4) **Timis, E.C.**, 2013, Building Plasters Development. 2013 Projects, *Saint-Gobain Gypsum Powders Community Technical Meeting: Plasters & Jointing Compounds*, Puchberg, Austria, 22-28 April 2013.
- 5) **Timis, E.C.**, 2012a, New Joint Filler development and launch, *Saint-Gobain Gypsum Jointing Community Technical Meeting*, Vaujours, France, 08-11 May 2012.
- 6) **Timis, E.C.**, 2012b, Turda Plaster Plant Building Plasters Projects update, *Saint-Gobain Gypsum Plasters Technical Meeting*, Quorn, Leicestershire, England, 9-16 June 2012.
- 7) Avramenko Y., **Ani E.C.**, Kraslawski A., Agachi P.Ș., 2010. Identification of pollution sources in rivers using the graphical analysis of concentration profiles. 19 International Congress of Chemical and Process Engineering *CHISA 2010* and the 7 European Congress of Chemical Engineering *ECCE-7*. Aug. 28 – Sept. 1, Prague, Czech Republic, no. 1392, P5.195.
- 8) **Ani, E.C.**, Kraslawski, A., Hutchins, M.G., Agachi, P.S. 2009d. The models for pollutant transport in rivers as decision support tools for the rational management of the river water quality. In: *International Forum-Competition of Young Researchers. Topical Issues of subsoil usage*. WG 8, St. Petersburg State Mining Institute.
- 9) Avramenko Y., **Ani E.C.**, Kraslawski A., Agachi P.Ș. 2009e. Mining of graphics for the assessment of pollution sources along the river. *CAPE Forum 2009*, March, 27-28, Limerick, Ireland.
- 10) **Ani, E.C.**, Kraslawski, A., Agachi, P.S. 2008. Pollutant transport characterization as a function of river characteristics and pollutant release type. OP. 3.5., *CAPE Forum 2008*, February, 7 -8, Thessaloniki, Greece.
- 11) **Ani, E.C.**, Cristea, V.M., Agachi, P.S. 2007. Dynamic simulation of Somes river pollution using MATLAB and COMSOL models. *10th Edition of Academic Days of Timișoara*, 24- 25th of May, Timișoara, Romania.
- 12) **Ani, E.C.**, Agachi, P.S. 2006. Modelling and Simulation of PEM Hydrogen-Oxygen Fuel Cells. *CAPE Forum 2006*, February, 10-12, Gliwice, Poland.