

VALENTINA GECEVSKA, Ph.D.
Curriculum Vitae

Personal Data:

Name & surname: Valentina Gecevska
Birth date: September 9, 1965
Birthplace: Skopje, R. Macedonia
Nationality: Macedonian
Civil status: Married, two children



Mailing address:

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Current Position:

Professor, Institute of Production Engineering and Management, Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Republic of Macedonia

Head of WEBLab e-Learning Training Center at the Faculty of Mechanical Engineering - Skopje

Head of CIM (Computer Integrated Manufacturing) Laboratory at the Faculty of Mechanical Engineering - Skopje

Head of PLM (Product Lifecycle Management) Center (www.master-plm.net), Faculty of Mechanical Engineering

Coordinator of the Postgraduate study programme: Product Lifecycle Management (PLM) www.mf.edu.mk/plm and plm-courses.mf.edu.mk at the Institute of Production Engineering and Management, Faculty of Mechanical Engineering

Research Interest:

Product Development and Management, Product Lifecycle Management, Engineering Economics Analysis, Cost Management, Business Process Modeling, Technology and Operation Management, Intelligent Production Systems, GAs, FL, NNs, Manufacturing Technologies and Strategies, Process Planning, CAD/CAPP/CAM, CIM, Cutting Tools Management, Design of Information Systems, Enterprise Resources Planning, Engineering in Sustainable Development.

Current Lectures of Courses:

Graduate studies:

Production Technologies and Production Systems; Engineering Economics Analysis; Production, Products and Services; New Product Development and Management; Manufacturing and Process Planning; Business Informatics- Design of Information Systems; Costs Estimation; Decision Making and Risk Analysis for Sustainable Development.

Postgraduate studies:

Intelligent Production Systems, CAPP-Process Planning, Advance Technologies and Processes, Cutting Tool Systems, Costs Management, Risk Management, Engineering Economic Analysis, Product Lifecycle Management, Economics of Life Cycle.

Education:

1997 - 2002 Ph.D. degree in Technical Sciences, Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia
1991 - 1995 M.Sc. degree in Mechanical Engineering, Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia
1984 - 1989 B.Sc. degree in Mechanical Engineering, Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

Training:

2011 – Study stay (one week in November) Aristotle University of Thessaloniki, School of Engineering, in Thessaloniki, Greece, training: Project and Product Management – Good Technical and Business Practices, TEMPUS MAS-PLM No.144959 .

2011 – Study stay (one week in April), University of Maribor, Slovenia and University in Zagreb, Croatia, training: Engineering Approach of New Products Development, funded in TEMPUS MAS-PLM No.144959.

2011 – Study stay (one week in March), DISPEA Department, Technical University of Turin, Turin Italy, training: Sustainable Management for New Products Development, funded in TEMPUS MAS-PLM No.144959.

2011 – Study stay (two weeks in January), Exchange mobility CEEPUS, teacher fellowship, 12 hours visiting lecturing: PLM Platform for Product Management, Network No.2010–42019-CEEPUS II-PL-0007-06-1011, Faculty of Mechanical Engineering, University of Maribor, Slovenia.

2010 – Study stay (one week in December), research: Product Management – ICT Tools and Siemens PLM Software, Institute of Industrial Engineering and Management, Faculty of Technical Sciences, University of Novi Sad, Serbia, funded in TEMPUS MAS-PLM No.144959.

2009 – Study stay (one week in June), research: Product Management and Product Data Management, Institute of Industrial Engineering and Management, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia.

2009 – Study stay (one week in April), DISPEA Department, Technical University of Turin, Turin Italy, training: Sustainable Management and Sustainable Development, funded in FP7 BEE N0.213417.

2009 – Study stay (two weeks in January), Exchange mobility CEEPUS, teacher fellowship, 12 hours visiting lecturing: Intelligent Manufacturing Systems and Using of Genetic Algorithms as Optimization Tools in Production Systems, Network No.2008–5538-CEEPUS II-RS-0065, Faculty of Mechanical Engineering, University of Maribor, Slovenia.

2008 – Study stay (one week in July), Exchange mobility CEEPUS, teacher fellowship, 10 hours visiting lecturing: Intelligent manufacturing systems, Network No.CEEPUS II-PL-0007-03-0708-M-20291, Faculty of Technical Sciences in Trnava, Slovakian University of Technologies, Bratislava, Slovakia.

2008 – Study stay (one week in June), Exchange mobility CEEPUS, teacher fellowship, 12 hours visiting lecturing: Computer Aided Process Planning и Contemporary ICT Tools in Production Technologies, Network No. CEEPUS II-PL-0007-00-0708-M-5115, Faculty of Mechanical Engineering, University of Maribor, Slovenia.

2008 – Study stay (one week in May), Exchange mobility CEEPUS, teacher fellowship, 12 hours visiting lecturing: Process Planning and Operation Management, Network No.CEEPUS II-RS-0065-02-0708-M-20290, Faculty of Technical Sciences, University of Novi Sad, Serbia.

2007 –study stay (three weeks in July), DISPEA Department, Technical University of Turin, project activity: Challenges in Engineering Education - New Products Management and applied ICT Tools, Turin, Italy.

2007 – Study stay (one week in June), Exchange mobility CEEPUS, teacher fellowship, 10 hours visiting lecturing: Intelligent tools in computer integrated production systems, Network CEEPUS CII-RS-0065-01-0607, Faculty of Technical Sciences, University of Novi Sad, Serbia.

2007 – Study stay (two weeks in February), Laboratory of intelligent systems, Faculty of Mechanical Engineering, research in bilateral project, University of Maribor, Maribor, Slovenia.

2007 – CEEPUS, Exchange mobility- teacher fellowship (two weeks in January), Network CEEPUS CII-PL-0007-02-0607, Maribor, SLO

2006 – Production Management, Training program (two months May and June), financed by JICA, Sapporo, Tokyo, Kyoto, Nagoya, Japan.

2006 – Study visit, Ruhr University, Faculty of Mechanical Engineering, Bochum, Germany

2005 – Study visit, University in Florence, Faculty of Engineering, Florence, Italy

2005 – Study stay, University in Maribor, Faculty of Mechanical Engineering, Maribor, Slovenia

2004 – Study stay (one week in October), Technological University of Vienna, Vienna, Austria

2004 – TEMPUS, IMG FYR1304, Dissemination, new education and learning methods in according with BD in manufacturing engineering higher education's courses, Politecnico di Torino, Turin, Italy

1999 – Research Fellowship (two months, September and October), USA Foundation for Young Scientists, Oregon State University, USA

1989 - Student's Research Fellowship by IAESTE (three months), Technical University in Opole, Poland

Employment Record:

2007 - Associate Professor, Production and Industrial Engineering Department, Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

2003 - 2007 Assistant Professor, Interdisciplinary Study for Environmental Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

1996 - 2002 Teaching Assistant, Production Engineering Department, Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

1996 - 2002 Teaching Assistant, Interdisciplinary Study for Environmental Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

1990 - 1995 Teaching Assistant, Production Engineering Department, Faculty of Mechanical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia

1989 – 1990 Engineer in Department for Research and Development of New Products, Factory - Rade Koncar, Skopje, Macedonia

Society Membership:

1. Member of ZPII (Macedonian Society of Production and Industrial Engineering);
2. Member of IGA (International Geothermal Association);
3. Member of MAGA (Macedonian Geothermal Association);
4. Member of (SME) Society of Mechanical Engineers;
5. Member of MASIT (Macedonian ICT Chamber of Commerce);
6. Member of ICT Experts Association of MASIT;

7. Member of Steering Committee of METAMORFOSIS.
8. Deans, Directors and Chairs Honor Committee of DAAAM International Vienna - international network for scientific, academic and industrial cooperation (from 2004)
9. EPN Consulting – the European Professionals Network, London, UK (from 2008)
10. International Virtual Laboratory for Enterprise Interoperability (InterOP-VLab), Belgium (from 2009)
11. IFIP Working Group - Advances in Production Management Systems (APMS), belongs to Technical Committee of the International Federation for Information Processing (IFIP) (from 2009)
12. European PLM (Product Lifecycle Management) Association (from 2010)
13. PLM InNET – PLM International Network for scientific, academic and industrial cooperation (from 2011)

Languages: English, French (basic)

Expert activities:

1. Gecevska V. member of advisory board for preparation of „Regional Western Balkan R&D Strategy for Innovation”, developed from World Bank, period 2011-2013.
2. Gecevska V. local expert: „Report in SEE IFA Network for WP5 – Cross Boarder Patent Fund”, evaluation from local expert, June 2009, Skopje, Macedonia.
3. Gecevska V. member of the working group for preparation of the Law for products safety of Republic of Macedonia, transposition of the European directives from New approach, Transposition of the European Directive for general products safety, 2006-2007, Skopje, Macedonia.
4. Gecevska V.: „Methodologies for product costs estimation”, Training methodology for Promotion of Entrepreneurship Education in Republic of Macedonia – Training of professors from secondary schools in Macedonia, Agency of Entrepreneurship of the Republic of Macedonia, January 2010, Skopje.
5. Gecevska V., Dither-Koch K.: “Company strategical planning and new products development; Methodology development and implementation”; SMEDP Project Ref.N.410, Developed methodology for beneficiary company IZO Staklo,Prilep, EU-funded project managed by the European Agency for Reconstruction, October 2007, (Gecevska-local expert)
6. Gecevska V., Dither-Koch K.: “Market research and straitening in marketing plan preparation; Methodology and implementation”; SMEDP Project Ref.N.414, Developed methodology for beneficiary company BOMEX, Pehcevo, EU-funded project managed by the European Agency for Reconstruction, December 2007, (Gecevska-local expert)
7. Gecevska V., Dither-Koch K.: “Marketing for IT services and human resources straitening for sealing; Methodology implementation and workshop organization”; SMEDP Project Ref.N.300, Developed methodology for beneficiary company SEMOS Edukacija, Skopje, EU-funded project managed by the European Agency for Reconstruction, January 2008, (Gecevska-local expert)

International evaluator:

8. Member in database of evaluators EVAL-INCO for evaluation of FP7 research project proposals, Calls 2010.
9. International evaluator of project proposals for the International Bureau of the German Federal Ministry of Education and Research (BMBF), calls 2010, 2011.
10. International evaluator of project proposals for Executive Agency for Competitiveness and Innovation (EACI) of European Commission, call 2011.
11. International evaluator of project proposals for the Estonian Science Foundation (ETF), calls 2009, 2011
12. International evaluator of project proposals for the Ministry of Science and Technological Development of the Republic of Serbia, call 2010
13. Evaluator of project proposals for the Ministry of Education and Science of the Republic of Macedonia, calls 2006,2007,2008,2009,2010,2011

Reviewer for the journals:

14. Enterprise Information Systems Journal, Publisher: Taylor&Francis, Print ISSN: 1751-7575, Online ISSN: 1751-7583 [I.F.=0,786]
15. Journal of Robotics and Computer Integrated Manufacturing, Publisher: Elsevier, ISSN: 0736-5845 [I.F.=1,497]
16. International Reviewers Group of the Journal of Mechanical Engineering, Publisher University of Ljubljana, ISSN 0039-2480, [I.F.=0,25]
17. IEEE/ASME Transactions on Mechatronics Journal, Publisher IEEE, ISSN: 1083-4435
18. Journal of Simulation Modelling, Publisher Technical University in Vienna, ISSN 1726-4529, listed in SCI Expanded.
19. Scientific-professional Journal Technical Gazette, Publisher University of Osijek, ISSN:1330-3651
20. Journal of Advances in Production Engineering and Management, Publisher University of Maribor, ISSN 1854-6250

21. Journal of Industrial Engineering and Management, Publisher Barcelona Tech, ISSN: 2013-0953, online ISSN: 2013-0953
22. Annals of the Faculty of Engineering Hunedoara – International Journal of Engineering, Publisher Technical University of Timisoara, Romania, , ISSN 1584 – 2665.

Reviewer for the scientific publication:

23. Reviewer of the Handbook of Technology Management, 3 Volume set, Editor: H. Bidgoli, Publisher: John Wiley & Sons, Inc., January 2010, ISBN: 978-0-470-24950-5, www.wiley.com/go/techmgmt

Reviewer for the international conferences:

24. Proceedings of 3rd and 4th International Scientific Conferences on Mass Customization and Personalization in Central Europe (MCP-CE): Mass Customization and Open Innovation in Central Europe, 2008 and 2010 year.
25. Proceedings of 1st, 2nd, 3rd International Scientific Conferences of Management of Technology Step to Sustainable Production (MOTSP) 2009, 2010, 2011 year.
26. Proceedings of 4th International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD), 2011
27. Proceedings of 14th, 15th International Scientific Conference on Industrial Systems (IS), 2009, 2011 year.

Member of teams for preparation of the strategic documents:

28. Member of the Working Group for preparation of the Law for products security of the Republic of Macedonia, during harmonisation and transposition of European Directives of New Approach, 2006-2007.
29. Member of Advisory Body for preparation of the Western Balkan Regional R&D Strategy for Innovation, supported by World Bank and European Commission, 2011-2013.

Fusibility studies:

30. Gecevska V. - member of the team for preparation: Socio-economic Impact Assessment, Study Report, FP6 No.509206 RES Project: Rural Sustainable Development through Integration of Renewable Energy Technologies in Poor European Regions, WP4, June 2007, 85p.
31. Gecevska V. - member of the team for preparation: Environmental Company Responsibility through Social Assessment, Study Report, FP6 No.509206 RES Project: Rural Sustainable Development through Integration of Renewable Energy Technologies in Poor European Regions, WP4, January 2008, 65p.
32. Gecevska V. - member of the team for preparation: Economical Assessment and Cost Benefit Analysis for the Pellets Production Plant, Feasibility Study, FP6 No.509206 RES Project: Rural Sustainable Development through Integration of Renewable Energy Technologies in Poor European Regions, WP5, July 2008, 78p.

Member of Commissions of national competitions:

33. Member of Commissions for national competitions 2007,2008,2009,2010,2011: Competition for best business plan for students and young graduates.
34. Member of Commissions for national competitions: Election of the best e-contents in the fields: e-science, e-learning and e-health for e-Macedonia. The best are nominated for (World Summit Award -the best in e-Content&Creativity), organized by Foundation „Metamorphosis”, 2007, 2008.

Editor of scientific journal:

35. “Mechanical Engineering - Scientific Journal”, Publisher Faculty of Mechanical Engineering, University “Ss. Cyril and Methodius”, Skopje, Macedonia, two No./year, (30 years of publication), Gecevska V. - Editor in Chief in period: 2004-2010.

Member of editorial board for scientific journals:

36. "International Journal of Industrial Engineering and Management" (IJIEM), Publisher University of Novi Sad, Serbia, four No./year, ISSN 2217-2661, Gecevska V. – member of editorial board.
37. ACTA TECHNICA CORVINIENSIS – Bulletin of Engineering, Publisher Technical University of Timisoara, six No./year, ISSN: 1584-2665, Gecevska V. – member of editorial board.
38. Journal of the Balkan Tribology Association, two No./year, ISSN 1310-4772, Gecevska V. – member of editorial board.

President of the organizational and scientific boards:

39. International Workshop for Product Lifecycle Management (PLM-ICT'2009) in 1st International Conference ICT Innovations 2009, 27-30 September 2009, Ohrid, Macedonia.
40. International Workshop for Innovative Business Strategies (PLM-ICEIRD'2011) in 4th International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD'2011), May 2011, Ohrid, Macedonia.

Member of scientific / organizational boards:

41. 3rd International Conference on Mass Customization and Personalization in Central Europe (MCP-CE): Mass Customization and Open Innovation in Central Europe, May 2008, Subotica, Serbia.
4th International Conference on Mass Customization and Personalization in Central Europe (MCP-CE): Mass Customization and Open Innovation in Central Europe, Financial Crisis – Challenge and Opportunity, September 2010, Novi Sad, Serbia.
5th International Conference on Mass Customization and Personalization in Central Europe (MCP-CE),

September 2012, Novi Sad, Serbia.

1st International Conference in Management of Technology Step to Sustainable Production (MOTSP'2009), June 2009, Sibenik, Croatia.

2nd International Conference of Management of Technology Step to Sustainable Production (MOTSP'2010), June 2010, Rovinj, Croatia.

3rd International Conference of Management of Technology Step to Sustainable Production (MOTSP'2011), June 2011, Brac, Croatia.

4th International Conference of Management of Technology Step to Sustainable Production (MOTSP' 2012), June 2012, Zadar, Croatia.

1st International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD'2008), May 2008, Ohrid, Macedonia.

3rd International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD'2010), May 2010, Novi Sad, Serbia.

4th International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD'2011), May 2011, Ohrid, Macedonia.

15th International Scientific Conference on Industrial Systems (IS'11), September 2011, Novi Sad, Serbia.

11th International scientific conference on production engineering - Computer integrated manufacturing, CIM'2007, June 2007, Zadar, Croatia.

12th International scientific conference on production engineering - Computer integrated manufacturing and high speed milling (CIM'2009), June 2009, Zadar, Croatia.

13th International scientific conference on production engineering - Computer integrated manufacturing (CIM'2011), June 2011, Zadar, Croatia.

DAAAM International Word Simposiums in "Intelligent manufacturing & Automation" (from 2004 to 2012).

Lecturer at the international schools:

1. **1st International Summer School at University of Split**, "Product Lifecycle Management -Business Strategy and link to Sustainable Development", Participants - Master and Doctoral students from Croatia, Italy, Slovenia, Macedonia and Serbia, organized within the project TEMPUS-2008-IT-JPCR 144959, supported by Siemens Industry Software LTS, 12-17 June 2011, **Gecevska V. – Coordinator and lecturer**
2. **2nd International Summer School at University of Novi Sad**, "Product Lifecycle Management –Competitive solution", Participants - Master and Doctoral students from Croatia, Italy, Macedonia and Serbia, organized within the projects: CEI No.1005.022-011, TEMPUS-2008-IT-JPCR 144959, supported by Siemens Industry Software LTS, 17-28 April 2012, **Gecevska V. - Lecturer**

Reading books

1. Pavlovski V., **Gecevska V.:** Engineering Economic Analysis, Reading book, Faculty of Mechanical Engineering, Skopje, 2003, 225 p.
2. Dukovski V., **Gecevska V.:** Production, products and services, Reading book, Faculty of Mechanical Engineering, Skopje, 2004, 120 p.
3. **Gecevska V.:** Business Informatics – Part 2, Reading book, Faculty of Mechanical Engineering, Skopje, 2006, 145 p.
4. **Gecevska V.** etc.: Economy Considerations: Economic Impact Assessment and Cost benefit Analysis for several new businesses for production of Renewable Energy Sources, Chapter in Feasibility study, Economic evaluations for implementation of new businesses in east part of Macedonia, Feasibility study published in RES Integration FP6 project 509204, 2006, pp.5-85.
5. **Gecevska V.:** Engineering Costs Management, Reading book, Faculty of Mechanical Engineering, Skopje, 2007, 175 p.
6. **Gecevska V.:** Intelligent Production Systems, Reading book, Faculty of Mechanical Engineering, Skopje, 2010, 224 p.
7. **Gecevska V.:** Process Planning, Reading book, Faculty of Mechanical Engineering, Skopje, 2010, 220 p.
8. **Gecevska V.:** Decision Making and Risk Analysis for Sustainable Development, Reading book (developed in frame of the Tempus DEREK project www.derec.ukim.mf.edu.mk), Faculty of Mechanical Engineering, Skopje, 2008, 192 p.
9. **Gecevska V.:** Product Lifecycle Management, Reading book (developed in frame of the Tempus MAS-PLM project plm-courses.mf.edu.mk), Faculty of Mechanical Engineering, Skopje, 2011, 189 p.

Scientific monographies

1. Cus F., **Gecevska V.**: „*Intelligent Manufacturing Systems*”, Scientific Monography, Publisher: Faculty of Mechanical Engineering, University Ss.Cyril and Methodius in Skopje, Macedonia, ISBN 978-9989-2701-0-9, 2007, [COBISS.MK-ID 11328022](#), 180 p.
2. **Gecevska V.**, Cus F.: „*Intelligent Production Systems Way to Competitive and Innovative Engineering*”, Scientific Monography, Publisher: Faculty of Mechanical Engineering, University Ss.Cyril and Methodius in Skopje, Macedonia, ISBN 978-9989-2701-7-4, 2009, [COBISS.MK-ID 80168174](#), 277p.

Scientific monographies published abroad

3. Cus F., **Gecevska V.**: „*Innovative Production Systems key to Future Intelligent Manufacturing*”, Scientific Monography, Publisher: Faculty of Mechanical Engineering, University of Maribor, Slovenia, ISBN 978-961-248-250-3, 2010, [COBISS.SI-ID 65957633](#), 291 p.

Parts of scientific monographies

1. **Gecevska V.**: „Optimization and Evolutionary Methods”, Chapter II-1 in Scientific monography, Intelligent Manufacturing Systems, 2007, ISSN 978-9989-2701-0-9, pp.75-86, [COBISS.SI-ID 11328022](#).
2. **Gecevska V.**: „Cutting Process Analysis”, Chapter IV-1 in Scientific monography, Intelligent Manufacturing Systems, 2007, ISSN 978-9989-2701-0-9, pp.112-129, [COBISS.SI-ID 11329046](#).
3. **Gecevska V.**: „Computer Aided Process Planning”, Chapter V-2 in Scientific monography, Intelligent Manufacturing Systems, 2007, ISSN 978-9989-2701-0-9, pp.131-150, [COBISS.MK-ID 69210890](#).
4. **Gecevska V.**: „Cost Management”, Chapter VI-1 in Scientific monography; Intelligent Manufacturing Systems, 2007, ISSN 978-9989-2701-0-9, pp.151-166, [COBISS.SI-ID 11329302](#).
5. Cus F., Zuperl U., **Gecevska V.**: „Prediction of tool flank wear in end milling by using ANFIS system”, Chapter IV-3 in Scientific monography; Intelligent Manufacturing Systems, 2007, ISSN 978-9989-2701-0-9, pp.151-166, [COBISS.SI-ID 11328790](#).
6. **Gecevska V.**: „Overview of intelligent manufacturing systems”, Chapter 1 in Scientific monography, Intelligent Production Systems Way to Competitiveness and Innovative Engineering, 2009, ISBN 978-9989-2701-4-7, [COBISS.MK-ID 80168714](#)
7. Cus F., Zuperl U., **Gecevska V.**: „Simulation of Complex Machining Process by Adaptive Network Based Inference System”, Chapter 8 in Scientific monography, Intelligent Production Systems Way to Competitiveness and Innovative Engineering, 2009, ISBN 978-9989-2701-4-7, [COBISS.MK-ID 80168714](#).
8. **Gecevska V.**, Cus F.: „Intelligent Optimization Approach During Product Development Process”, Chapter 18 in Scientific monography, Intelligent Production Systems Way to Competitiveness and Innovative Engineering, 2009, ISBN 978-9989-2701-4-7, [COBISS.MK-ID 80168714](#).
9. Cosic P., Dolinsek S., **Gecevska V.**: „Process Planning-From Primary Process Selection”, Chapter 20 in Scientific monography, Intelligent Production Systems Way to Competitiveness and Innovative Engineering, 2009, ISBN 978-9989-2701-4-7, [COBISS.MK-ID 80168714](#).
10. **Gecevska V.**, Lombardi F.: WEBLAB „e-Platform for Engineering and Business Education”, Chapter 22 in Scientific monography, Intelligent Production Systems Way to Competitiveness and Innovative Engineering, 2009, ISBN 978-9989-2701-4-7, [COBISS.MK-ID 80168714](#).

Parts of scientific monographies published abroad

11. Cus F., **Gecevska V.**, Zuperl U.: „Anfis Process Predicator and Neural Network Decision System for Monitoring Tool Breakage in Milling Operations”, Chapter 1 in Scientific monography, Innovative Production Systems Key to Future Intelligent Manufacturing, 2010, ISBN 978-961-248-250-3, [COBISS.SI-ID 65957633](#).
12. Cus F., **Gecevska V.**, Lombardi F.: „DNCFRO Function Based Milling Force Control”, Chapter 5 in Scientific monography, Innovative Production Systems Key to Future Intelligent Manufacturing, 2010, ISBN 978-961-248-250-3, [COBISS.SI-ID 65957633](#).
13. **Gecevska V.**, Anisic Z., Cus F., Buchmeister B.: „Knowledge Management Based Process Planning System”, Chapter 15 in Scientific monography, Innovative Production Systems Key to Future Intelligent Manufacturing, 2010, ISBN 978-961-248-250-3, [COBISS.SI-ID 65957633](#)
14. **Gecevska V.**, Lombardi F., Cus F., Anisic Z., Angelides D., Veza I., Vasilevska P. S., Cosic P.: „PLM-Product Lifecycle Management Strategy for Innovative Business Environment”, Chapter 16 in Scientific monography,

Innovative Production Systems Key to Future Intelligent Manufacturing, 2010, ISBN 978-961-248-250-3, COBISS.SI-ID 65957633.

15. Kajmakoska B., Leber M., **Gecevska V.**, Cus F., Lombardi F.: „Searching for the Fuzzy Front and Awareness as a Prerequisite for Successful Production”, Chapter 19 in Scientific monography, Innovative Production Systems Key to Future Intelligent Manufacturing, 2010, ISBN 978-961-248-250-3, COBISS.SI-ID 65957633.
16. Dimitrovska N., **Gecevska V.**: „The Role of Environmental Tools in Sustainable Development”, Chapter 21 in Scientific monography, Innovative Production Systems Key to Future Intelligent Manufacturing, 2010, ISBN 978-961-248-250-3, COBISS.SI-ID 65957633.

Selected Papers published in International Scientific Journals:

1. **Gecevska V.**, Pavlovski V.: Methodology and Software for Presenting the Model of Mechanical Part by Assembling Primitives, CISM-International Center for Mechanical Sciences, Courses and Lectures-No.372, ISBN 3-211-82808-7, Springer-Verlag Wien NewYork, 1996, 685-692
2. **Gecevska V.**, Pavlovski V., Kuzinovski M., Dukovski V.: Object-oriented Algorithm for CNC Machining of the Prismatic Parts, scientific journal “Technical Gazette”, 2001, Croatia .
3. **Gecevska V.**, Pavlovski V.: Selection of Optimal Cutting Condition in Computer Aided Machining by Genetic Algorithms, Published in Journal: *Advanced Manufacturing Systems and Technology*, CISM-International Center for Mechanical Sciences, Courses and Lectures-No.437, ISBN 3-211-83689-6, Springer-Verlag Wien, New York, 2002, pp.451-459.
4. **Gecevska V.**, Kuzinovski M.: Optimization software OPTIMAD for modeling and parameters determination, *International Journal of SYSTEMS – Tran-disciplinary Systems Science*. Official Journal of the Polish Systems Society, Publishing by Elsevier, Volume 9, June 2004, 16-22.
5. **Gecevska V.**, Cus F., Kuzinovski M., Zuperl U.: Experimental and Mathematical Modeling of Cutting Tool Wear in Milling Conditions, Published in Journal: *Advanced Manufacturing Systems and Technology*, CISM-International Center for Mechanical Sciences, Courses and Lectures-No.438, ISBN 3-211-83689-6, Springer-Verlag-Wien, New York, 2005, pp.451-459, [COBISS.SI-ID 10008342](#).
6. **Gecevska V.**, Cus F., Kuzinovski M., Zuperl U.: Evolutionary Computing With Genetic Algorithm in Manufacturing Systems, *International Journal MACHINE ENGINEERING published by STSF*, Poland, Number 3-4, Volume 5, ISBN 1642-6568, 2005, pp.188-198, [COBISS.SI-ID 10051094](#).
7. **Gecevska V.**, Cus F., Lombardi F., Dukovski V., Kuzinovski M.: Intelligent Approach for Optimal Modeling of Manufacturing Systems, *Journal of Achievements in Materials and Manufacturing Engineering*, Publishing by Elsevier, ISSN 1734-8412, Vol.14, Issue 1-2, January-February 2006, pp.97-104, [COBISS.SI-ID 10525462](#).
8. **Gecevska V.**, Cus F., Dukovski V., Kuzinovski M.: Modeling of Manufacturing Activities by Process Planning Knowledge Representation, *International Journal of Simulation Modelling*, ISSN 1726-4529, Vol.5, No.2, June 2006, pp.69-81, [COBISS.SI-ID 10535702](#).
9. **Gecevska V.**, Cus F., Pandilov Z., Mulfilner M.: IMPLEMENTATION OF ACTIVITY BASED COSTING (ABC) IN SMALL AND MEDIUM COMPANIES USING PROPOSED PROCEDURE, *International Journal MACHINE ENGINEERING published by STSF*, Volume 6, Number 4, 2006, ISSN Y505-5601, pp.128-140, [COBISS.SI-ID 10981398](#).
10. **Gecevska V.**, Anisic Z.: Using of Activity Based Costing (ABC) in small and medium companies, ANNALS OF THE FACULTY OF ENGINEERING HUNEDOARA 2006, Tome IV, Fascicule 2, (ISSN 1584 – 2665), 141-150.
11. Zuperl U., Cus F., **Gecevska V.**: Optimization of the Characteristic Parameters in Milling Using the PSO Evolution Techniques; *Journal of Mechanical Engineering - Strojnicki vesnik*, ISSN 0039-2480, Vol.53, No.6, Jun 2007, Ljubljana, Slovenia, 354-368, [COBISS.SI-ID 11573526](#), **[I.F.=0.25]**.
12. Cus F., Zuperl U., **Gecevska V.**: High-speed milling of light metals, *Journal of Achievements in Materials and Manufacturing Engineering*, Publishing by AMME-World Academy of Materials and Manufacturing Engineering, ISSN Y505-3994, Vol.24, Issue 1, September 2007, pp.357-364, [COBISS.SI-ID 11355926](#).
13. Anisic Z., **Gecevska V.**: Product Configurators as a tool for increasing competitiveness of small and medium enterprises, *Mechanical Engineering – Scientific Journal*, Pub. Faculty of Mechanical Engineering, ISSN 1857-5293, Vol.26, No.1, 2007, 25-32.
14. Cosic P., Antolic D., **Gecevska V.**: Fast estimation of production times as decision support for delivery times and product costs, *Mechanical Engineering – Scientific Journal*, Pub. Faculty of Mechanical Engineering, ISSN 1857-5293, Vol.26, No.2, 2007, 87-96.
15. **Gecevska V.**, Panjan P.: Light cardboard production process and cutting tool life improvement, *Journal of Advance Production Engineering & Management*, ISSN 1854-6250, Vol.2, No.3, 2007, 113-126, [COBISS.SI ID 20876327](#).
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2. M.Kuzinovski, V.Pavlovski, **V.Gečevska**, etc: Surface Engineering in Metal Removal Processes, Science Research Project, Ministry of Education and Science, Skopje, Macedonia, 2001-2004
3. Strengthening the Capacity of the Ministry of Environment and Physical Planning, EU-funded project managed by the EAR-European Agency for Reconstruction, Ministry of Environment and Physical Planning of the RM, Republic of Macedonia, 2002-2003, (**Gečevska V.-local expert**)
4. **Gečevska V.**, Pavlovski V.: Technological Solution for Improvement of Light Cardboard Manufactured Process, *project report*, Project co-financed by GTZ-Project for Technology Transfer, CIRKO-Center for Research, Development and Lifelong Learning, Bato&Divajn Corporation, 2003, www.gtz-techno.org.mk .
5. IST-1-502515 *SEEMseed Project - Single European Electronic Market and Information Space for SMEs*, European Project with 19th members in FP6, funded by EC, Coordinator UNNINOVA Portugal, 2004-2007. (**Gečevska V.- member in group of experts**).
6. Cus F.(team leader Slovenian side), **Gečevska V.**(team leader Macedonian side) etc.: Development of Evolutionary Optimization Methods Applied in Intelligent Manufacturing Systems; International Scientific Project financed by the Ministry of Education and Science in Macedonia and the Ministry of Education and Science in Slovenia, two year period (2005-2006).
7. **Gečevska V.** (coordinator), etc: Development of laboratorial autoclave for research and developing new types of water glass and zeolit; Development and Investigation Project financed by the Ministry of Education and Science of the Republic of Macedonia, Beneficiary company: AD Zeolit BSB-Probistip, 2006, www.mon.gov.mk; www.zeolit.com.mk .
8. E. Caporalli–contractor (University of Florence, Italy), Tuneski-coordinator (University Ss.Cyril and Methodius), **Gečevska V.** (co-coordinator for Faculty of Mechanical Engineering), etc: "Development of Environmental and Resources Engineering Curriculum", Joint European Project (JEP) 19028-2004, TEMPUS Program, financed by the European Commission, 2005-2008, www.derec.ukim.edu.mk .

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10. Lombardi F. – contractor (Politecnico di Torino), **Gecevska V.** – coordinator (University Ss.Cyril and Methodius; Partners: Italy, Slovenia, Macedonia: “Web-Based Multimedia e-Learning for Applied Technologies” , SCM C013B05-2005, TEMPUS Program, financed by the European Commission, 2006-2007, www.weblab.ukim.edu.mk .
11. RES (Renewable Energy Sources) Integration, FP6-INCO Project, Partners: Italy, Germany, Greece, Macedonia, Albania, Serbia,; **Gecevska V.** member of Macedonian team responsible for Engineering Economical Evaluation, financed by the European Commission, 2005-2008, www.res-integration.com .
12. **Gecevska V.** (coordinator), etc: Design, development and implementation of ERP (Enterprises Recourses Planning) system in printing industry; Development and Investigation Project financed by the Ministry of Education and Science of the Republic of Macedonia, Beneficiary company: Bato&Divajn-Skopje, 2007, www.mon.gov.mk ; www.batodivajn.com .
13. University Business Start-Up Center, financed by ADA (Austrian Development Agency), beneficiary University Ss. Cyril and Methodius, Implementation by Faculty of Mechanical Engineering, 2006-2008; (**Gecevska V.** – member of Steering Committee) www.bsc.ukim.edu.mk .
14. Cosic P. PhD (coordinator - Faculty of Mechanical Engineering in Zagreb), **Gecevska V.** (member of project team) etc.: Virtual Production – Step toward Competitive and Sustainable Development, International Scientific Project financed by the Ministry of Science and Education of Croatia, three years 2007-2010.
15. **Gecevska V.** Local Consultant and Dither-Koch K. EU Consultant for Direct Enterprise Support, consultancy funded by EU-funded project managed by the EAR (European Agency of Reconstruction), title: “SME Development – Government and Private Sector”, implementation by GFA Consulting Group (German Finance Agency), in several Macedonian companies (SME’s), 2006-2007.
16. Dither-Koch K. (international expert) and **Gecevska V.** (local expert): Development of the methodology for cost management and Implementation of cost reduction methods with improvement of the effectiveness and efficiency of business processes; Development of methodology, results implementation; SMEDP Project Ref.N.303 beneficiary company Bato&Divajn Graficki Centar, Skopje, funded by EC, managed by EAR, 2006-2007.
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18. Dither-Koch K. (international expert) and **Gecevska V.** (local expert): Company strategical planning and new products development; Methodology development, realization, implementation; SMEDP Project Ref.N.410,beneficiary company IZO Staklo,Prilep, funded by EC, managed by EAR,2006-2007.
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20. Dither-Koch K. (international expert) and **Gecevska V.** (local expert): Marketing for IT services and human resources straitening for sealing; Methodology implementation, workshop organization; SMEDP Project Ref.N.300, beneficiary company SEMOS Edukacija, Skopje, funded by EC, managed by EAR, 2006-2007.
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25. „Strengthening the Strategic Cooperation Between the EU and Western Balkan Region in the field of ICT Research”, FP7 ICT Project No.045384, type SSA, duration: 2007-2009, (**Gecevska V.**– local expert)
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28. CII-PL-0007-02-0607, „Modern metrology in quality management systems”, CEEPUS, project network, 2006-2007, (**Gecevska V.** – coordinator for MK)
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34. „Technical Education on Resource Savings for Industrial Development”, 517361-TEMPUS-1-2011-1-IT-TEMPUS-JPHES”, financed by the European Commission, TEMPUS IV Program, Contractor: Technical University of Turin, Italy, 2011-2014 (**Gecevska V.** –quality control expert)
35. „Upgrading ICT excellence by strengthening cooperation between research teams in an enlarged Europe (UNITE)”, FP7 ICT Project No.248583, Partners: Portugal, Belgium, Bulgaria, Slovenia, Romania, Contractor: UNINOVA, Portugal, <http://www.unite-europe.eu>, 2010-2013 (**Gecevska V.**–expert)
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