

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Anita Grozdanov**  
 Address(es)  
 E-mail  
 Nationality Macedonian  
 Date of birth  
 Gender Female

### Work experience

Dates 02.07.2013 – present, Full Professor  
 01.03.2008 – 02.07.2013, Associated Professor  
 01.09.2007 – 01.09.2015, Vice Dean for Science and International Cooperation  
 01.04.2003 – 01.03.2008, Assistant Professor  
 01.03.1990 – 01.04.2003, Assistant

Occupation or position held Full professor

Main activities and responsibilities Education and scientific research

Name and address of employer Faculty of Technology and Metallurgy, University "Ss. Cyril and Methodius", Skopje

Type of business or sector Academic

### Education and training

Dates 01.10.1985 – 02.07.1989, B.Sc. at Faculty of Technology and Metallurgy, University "Ss. Cyril and Methodius", Skopje  
 31.01.1990 – 07.07.1994, M.Sc. at Faculty of Technology and Metallurgy, University "Ss. Cyril and Methodius", Skopje  
 01.10.1998 – 02.07.2002, Ph.D. at Faculty of Technology and Metallurgy, University "Ss. Cyril and Methodius", Skopje

Title of qualification awarded Doctor on technical sciences  
 Master on technical sciences  
 Graduated engineer - technologist

Principal subjects/occupational skills covered Polymer based composites, FIT-thermoplastic composites, Modification of fiber-reinforcement for thermosetting composites, All-polymer and All-cellulose composites, Thermal analysis (DSC, TGA/DTA and DMTA analysis) of polymer materials, Nano-based nanosensors, Encapsulation, Cleaner Production and Management of Sustainable Development

Name and type of organisation providing education and training Faculty of Technology and Metallurgy, University "Ss. Cyril and Methodius", Skopje

**Personal skills and competences**

Mother tongue(s)

**Macedonian**

Other language(s)

Self-assessment

*European level (\*)***English****Serbian**

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
Fluent	Fluent	Fluent	Fluent	Fluent	
Fluent	Fluent	Fluent	Fluent	Fluent	

*(\*) Common European Framework of Reference for Languages*

Social skills and competences

Course on Communication skills, Faculty of Technology and Metallurgy, 01 –31.10.2009

Organisational skills and competences

- Vice-dean for Science and International Cooperation, 2008-2015
- Member of the Management board of the engineering Institution of R.Macedonia, 2011-2015
- Member and Vice President of the Council of the Institute for Accreditation of RM, 2011-2017
- General Secretary of NANOMAK association, 2010-2017
- FP7 NMP NCP and Program Committee Member, 2007-2013

Technical skills and competences

- JICA (Japan) Training in Clean Development Mechanism, 2005
- UNIDO (Austria) Training in Cleaner Production, 2009
- IARM (R. Macedonia) Training in MKC EN ISO/IEC 17011:2006 , 2011
- IARM (R. Macedonia) Training in MKC EN ISO/IEC 17025:2006 , 2017

Computer skills and competences

Software packages:  
Microsoft Excel, Microsoft Power Point, Microsoft Word, Grams,**Additional information**

2012 (01.04.-23.04)(COST Sfp Grant)Istituto Di Ricerca e Tecnologia Delle Materie Plastiche, Napoli, Italy,

2013, 2014 (15.10-20.11) Istituto Di Ricerca e Tecnologia Delle Materie Plastiche, Napoli, Italy, (research stay and work on the Project FP7-614155-COMMON SENSE project)

2016 (01.05-30.05)Istituto Di Ricerca e Tecnologia Delle Materie Plastiche, Napoli, Italy, (research stay and work on the Project FP7-614155-COMMON SENSE project)

2017 (07.05-04.06)Istituto Di Ricerca e Tecnologia Delle Materie Plastiche, Napoli, Italy, (research stay and work on the Project FP7-614155-COMMON SENSE project)

2018 (30.10-03.11.2018) Istituto Di Ricerca e Tecnologia Delle Materie Plastiche, Napoli, Italy, (research stay and work on the Project FP7-614155-COMMON SENSE project)

**Annexes**

## SCIENTIFIC PROJECTS

2018-2019 Application of ionizing irradiation in nanotechnology, MAK1003, IAEA

2018-2020 Polymer/Carbon nano structures composite design for advanced gas and biosensing applications (Bilateral Macedonia-Austria,

2013-2017 Cost-effective sensors, interoperable with international existing ocean observing systems, to meet EU policies requirements,COMMON SENSE, Proj. ref. 614155, Program: FP7-OCEAN, Macedonian Coordinator.

2013-2014 Research and development of new nanostructured sensors for protection and advancement of environment and nature, Ministry of environmentandphysical planning of R. Macedonia. Member

2012-2013 NMPTeAm2-Improving the services of the NMP NCP Network through Trans-national Activities II (FP7-290428-NMP-2011-CSA-5), Macedonian Coordinator.

PUBLICATIONS (last 6 years)

1. Anita Grozdanov, Igor Jordanov, Gennaro Gentile, Maria E. Errico, Roberto Avolio, and Maurizio Avella, All-cellulose Composites Based on Cotton Textile Woven Preforms, Fibers and Polymers (2019) Vol.20, No.6, 1243-1249. (IF=1,353)
2. A. Grozdanov, A. Petrovski, M. Avella, P. Paunovic, M. E. Errico, R. Avolio, G. Gentile, F. De Falco, A. T. Dimitrov, Spectroscopically Study of Nanocomposites Based on PANI and Carbon Nanostructures for pH Sensors, Bulgarian Chemical Communications, 51 Special Issue D (2019) 36-41. (IF=0,23)
3. A. Grozdanov, A. Petrovski, P. Paunović, A. T. Dimitrov<sup>1</sup>, G. Gentile, M. Avella, MWCNT/Polyaniline nanocomposites used for pH nanosensors of marine waters, M. Cocca et al. (eds.), Proceedings of the International Conference on Microplastic Pollution in the Mediterranean Sea, Springer Water, Springer International Publishing AG 2018, p.231-238.
4. Katerina Atkovska, Kiril Lisickov, Gordana Ruseska, Aleksandar T. Dimitrov, Anita Grozdanov, "Removal of heavy metal ions from wastewater using conventional and nanosorbents: A Review", Journal of Chemical Technology and Metallurgy, 53, 2, 202-219 (2018)
5. Emilija Bajraktarova-Valjakova, Anita Grozdanov, Ljuben Guguvcevski, Vesna Korunoska-Stevkovska, Biljana Kapusevska, Nikola Gigovski, Aneta Mijoska, Cvetanka Bajraktarova-Misevska, "Acid Etching as Surface Treatment Method for Luting of Glass-Ceramic Restorations, part 1: Acids, Application Protocol and Etching Effectiveness", Macedonian Journal of Medical Sciences. Mar 15; 6(3):568-573(2018) <https://doi.org/10.3889/oamjms.2018.147>
6. A. Petrovski, P. Paunović, R. Avolio, M. E. Errico, M. Cocca, G. Gentile, A. Grozdanov, M. Avella, A. Dimitrov, Synthesis and characterization of nanocomposites based on PANI and carbon nanostructures prepared by electropolymerization, Materials Chemistry and Physics, 185 (2017) 83-90.
7. A. Tomova, G. Gentile, A. Grozdanov, M.E. Errico, P. Paunović, M. Avella and A.T. Dimitrov, Multinanosensors Based on MWCNTs and Biopolymer Matrix — Production and Characterization, Acta Physica Polonica A, 132 (2017) 1251-1255.
8. A. Karamanov, P. Paunović, B. Ranguelov, E. Ljatifi, A. Kamusheva, G. Načevski, E. Karamanova, A. Grozdanov, Vittrification of hazardous Fe-Ni wastes into glass-ceramic with fine crystalline structure and elevated exploitation characteristics, Journal of Environmental Chemical Engineering, 5 (2017) 432-441.
9. A. Petrovski, A.T. Dimitrov, A. Grozdanov, P. Paunović, B. Andonović, G. Gentile, M. Avella, B. Ranguelov, Study of Graphene Obtained by Electrolysis in Sulfuric Acid Electrolytes, SciFed Nanotech Research Letters, 1 (2017) 1-10.
10. A. Tomova, G. Gentile, A. Grozdanov, M.E. Errico, P. Paunovic, M. Avella, A.T. Dimitrov, Functionalization and Characterization of MWCNT Produced by Different Methods, Acta Physica Polonica A, 129 (2016) 405-408.
11. R. Aliti, G. Načevski, G. Ruseska, P. Paunović, Anita Grozdanov, Fly ash-polymer composites based on polyvinylchloride and industrial fly ash waste particles, Material and Environment Protection, 5 (2016) 14-23.
12. P. Paunović, A. Grozdanov, A. Češnovar, B. Ranguelov, P. Makreski, G. Gentile, E. Fidančevska, Characterization of nano-scaled TiO<sub>2</sub> produced by simplified sol-gel method using organometallic precursor, J. Eng. Mater. Technol., 137 (2015) 021003-1–021003-7.
13. B. Andonovic, A. Grozdanov, P. Paunović, A. T. Dimitrov, X-ray diffraction analysis on layers in graphene samples obtained by electrolysis in molten salts: a new perspective, Micro & Nano Letters, 10 (2015) 683-685.
14. B. Andonovic, A. Ademi, A. Grozdanov, P. Paunović, A. T. Dimitrov, Enhanced Model for determining the Number of Graphene Layers and their Distribution by X-ray Diffraction Data, Beilstein Journal of Nanotechnology, 6 (2015) 2113-2122.
15. E. Ljatifi, A. Kamusheva, A. Grozdanov, P. Paunović, A. Karamanov, Optimal thermal cycle for production of glass-ceramic based on wastes from ferronickel manufacture, Ceramics International, 41, (2015) 11379-11386.
16. E. Ljatifi, A. Kamusheva, G. Načevski, E. Karamanova, A. Petrovski, A. Karamanov, P. Paunović, Thermal and environmental characteristics of glass produced from metalurgical wastes, Material and Environment Protection, 4 (2015) 11-18.
17. B. Andonović, A. Grozdanov, A. Petrovski, P. Paunović, A. Dimitrov, Determining graphene layers number and N-layer region coverage by XRD data distribution model, Material and Environment Protection, 4 (2015) 19-25.
18. P. Paunović, A. Petrovski, G. Načevski, A. Grozdanov, M. Marinkovski, B. Andonović, P. Makreski, O. Popovski, A. Dimitrov, Chapter 24: Pathways for the Production of Non-stoichiometric Titanium Oxides, in P. Petkov et al. (eds.), Nanoscience Advances in CBRN Agents Detection, Information and Energy Security, NATO Science for Peace and Security Series A: Chemistry and Biology, DOI 10.1007/978-94-017-9697-2\_24, 2015, p. 239-253.
19. A. Petrovski, A. Dimitrov, A. Grozdanov, B. Andonović, and P. Paunović, Chapter 11: Characterization of Graphene Produced by Electrolysis in Aqueous Electrolytes, in P. Petkov et al. (eds.), Nanoscience Advances in CBRN Agents Detection, Information and Energy Security, NATO Science for Peace and Security Series A: Chemistry and Biology, DOI 10.1007/978-94-017-9697-2\_24, 2015, p. 103-110.
20. B. Andonovic, M. Temkov, A. Ademi, A. Petrovski, A. Grozdanov, P. Paunović, A. Dimitrov, Laue functions model vs Scherrer equation in determination of graphene layers number on the ground of XRD data, Journal of Chemical Technology and Metallurgy, 49, (2014) 545-550.
21. A. T. Dimitrov, A. Tomova, A. Grozdanov, O. Popovski, P. Paunović, Electrochemical production, characterization, and application of MWCNTs, Journal of Solid State Electrochemistry, 17 (2013) 399-407.
22. A. T. Dimitrov, A. Ademi, A. Grozdanov, P. Paunović, Production and characterization of MWCNTs produced by non-stationary current regimes in molten LiCl, Applied Mechanics and Materials, 328 (2013) 772-777.
23. A. Grozdanov, A. Tomova, P. Paunović, A. T. Dimitrov, Polymer nanocomposite with functionalized MWCNTs, Applied Mechanics and Materials, 328 (2013) 778-783.