



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Bogdanel Silvestru MUNTEANU**
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E-mail muntb@uaic.ro, msbogdanel18@yahoo.com
Nationality Romanian
Date of birth 18/05/1972
Gender male

Present employment / position

Work experience

Dates 2003-2022
Occupation or position held Lecturer (Prezent-2014) Assistant(2014-2003);
Teaching : Optics, Spectral methods of Analysis, Non-destructive testing (NDT), Fiber optic data transmission
Name and address of employer University Alexandru Ioan Cuza of Iasi 11 Carol I Blvd., 700506 Iasi, Romania
Type of business or sector Teaching/Education Faculty of Physics

Education and training

Dates 1999-2006
Title of qualification awarded PhD.
Principal subjects/occupational skills covered Polymer physics; physico chemical characterisation of polymers; FTIR and NMR spectroscopy; thermal properties of polymers; polymer blends/compatibilisation of polymer blends
Name and type of organisation providing education and training "Petru Poni" Institute of Macromolecular Chemistry , Iasi
Dates 1997-1999
Title of qualification awarded Master
Principal subjects/occupational skills covered Plasma Physics and Spectroscopy
Name and type of organisation providing education and training University Alexandru Ioan Cuza of Iasi, Romania 11 Carol I Blvd., 700506 Iasi, Romania
Dates 1992-1997
Title of qualification awarded Bachelor
Principal subjects/occupational skills covered Physics
Name and type of organisation providing education and training University Alexandru Ioan Cuza of Iasi, Romania 11 Carol I Blvd., 700506 Iasi, Romania

Personal skills and competences

Mother tongue(s)

Romanian**English**

Self-assessment

European level

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	B2	Independent user	B1	Independent user	B2	Independent user

Professional skills and competences

Teaching activities

Spectroscopy; Polymer physics and polymer characterisation; polymer blending/composites, polymer electrospinning

Optics; Spectroscopy; Non-destructive testing (NDT), Fiber optic data transmission

LIST OF PUBLICATIONS**Papers in Journals**

- [1] Antioxidant/Antibacterial Electrospun Nanocoatings Applied onto PLA Films
Bogdanel Silvestru Munteanu, Liviu Sacarescu, Ana-Lavinia Vasiliu, Gabriela Elena Hitruc, Gina M Pricope, Morten Sivertsvik, Jan Thomas Rosnes, Cornelia Vasile; *Materials* (Basel). 2018 Oct; 11(10): 1973 ; doi: 10.3390/ma11101973
- [2] Bogdanel Silvestru Munteanu, Zeynep Aytac, Gina M. Pricope, Cornelia Vasile, Tamer Uyar; "Polylactic acid (PLA)/Silver-NP/VitaminE bionanocomposite electrospun nanofibers with antibacterial and antioxidant activity"; *Journal of Nanoparticle Research* (2014) 16:2643
- [3] Polyurethane biocompatible silver bionanocomposites for biomedical applications; *Journal of Nanoparticle Research* (2014) 16:2710; D. Filip, D. Macocinschi, E. Paslaru, B. S. Munteanu, R. P. Dumitriu, M. Lungu, C. Vasile
- [4] Polyurethane-extracellular matrix/silver bionanocomposites for urinary catheters D. Macocinschi, D. Filip, E. Paslaru, B. S. Munteanu, R. P. Dumitriu, G. M. Pricope, M. Aflori, M. Dragomir, V. Nica, C. Vasile *Journal of Bioactive and Compatible Polymers: Biomedical Applications*, 30, 99-113 (2015)
- [5] B. S. Munteanu, E. Paslaru, L.F. Zemljic, A. Sdrobis, G. M. Pricope, C. Vasile, "Chitosan coatings applied to polyethylene surface to obtain food-packaging materials"; *Cellulose Chemistry and Technology*, 48 (5-6), 565-575 (2014)
- [6] C. Vasile, R. N. Darie, A. Sdrobis, E. Paslaru, G. Pricope, A. Baklavariadis, S. B. Munteanu; I. Zuburtikudis; "Effectiveness of chitosan as antimicrobial agent in LDPS/CS composite films as minced poultry meat packaging materials"; *Cellulose Chemistry and Technology* 48 (3-4), 325-336 (2014)
- [7] Novel procedure to enhance PLA surface properties by chitosan irreversible immobilization; Elena Stoleru, Raluca Petronela Dumitriu, Bogdanel Silvestru Munteanu, Traian Zaharescu, Elisabeta Elena Tănase, Amalia Mitelut, Gabriela-Liliana Ailiese, Cornelia Vasile; *Applied Surface Science*; Volume 367, 30 March 2016, Pages 407–417
- [8] Hybrid Nanostructures Containing Pseudiazine Modified Chitosan as Antimicrobial Drug Carriers
Bogdanel Silvestru Munteanu, Raluca Petronela Dumitriu, Lenuta Profire, Liviu Sacarescu, Gabriela Elena Hitruc, Elena Stoleru, Marius Dobromir, Ana Lavinia Matricala and Cornelia Vasile; *Nanomaterials* 2016, 6(11), 207; doi:10.3390/nano6110207
- [9] Polyethylene materials with multifunctional surface properties by electrospaying chitosan/vitamin E formulation destined to biomedical and food packaging applications; Elena Stoleru, Silvestru B. Munteanu, Raluca P. Dumitriu, Adina Coroaba, Mioara Droboță, Lidija Fras Zemljic, Gina M. Pricope, Cornelia Vasile; *Iranian Polymer Journal* April 2016, Volume 25, Issue 4, pp 295–307
- [10] Complex poly(lactic acid)-based biomaterial for urinary catheters: II. Biocompatibility; Elena Stoleru, Bogdanel S. Munteanu, Raluca N. Darie-Niță, Gina M. Pricope, Maria Lungu, Anamaria Irimia, Maria Răpă, Rodica D. Lipșa, Cornelia Vasile, *Bioinspired, Biomimetic and Nanobiomaterials* ISSN 2045-9858 | E-ISSN 2045-9866; Volume 5 Issue 4, December 2016, pp. 152-166
- [11] Complex poly(lactic acid)-based biomaterial for urinary catheters: I. Influence of AgNP on properties; Raluca N. Darie-Niță, Bogdan S. Munteanu, Niță Tudorachi, Rodica Lipșa, Elena Stoleru, Iuliana Spiridon, Cornelia Vasile, *Bioinspired, Biomimetic and Nanobiomaterials*; ISSN 2045-9858 | E-ISSN 2045-9866; Volume 5 Issue 4, December 2016, pp. 132-151
- [12] Thermal behaviour of binary and ternary copolymers containing acrylonitrile; Munteanu, BS (Munteanu, Bogdanel Silvestru); Brebu, M (Brebu, Mihai); Vasile, C (Vasile, Cornelia); *POLYMER DEGRADATION AND STABILITY* Volume: 98 Issue: 9 Pages: 1889-1897 DOI: 10.1016/j.polydegradstab.2013.04.018
- [13] G.G.Bumbu, B.S.Munteanu, J.Eckelt, C.Vasile;
"Influence of the composition of hydroxypropyl cellulose/maleic acid-alt-styrene copolymer blends on their properties as matrix for drug release"; *EXPRESS POLYMER LETTERS* Volume: 3 Issue: 5 Pag.286-294; 2009
- [14] B. S. Munteanu, C. Vasile;
"Spectral and thermal characterization of styrene-butadiene copolymers with different architectures"; *JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS*, 2005, 7, 3135
- [15] B. S. Munteanu, M. Brebu, C. Vasile;
"Thermal and thermo-oxidative behaviour of butadiene-styrene copolymers with different architectures", *POLYMER DEGRADATION AND STABILITY*, 2005, 89, 501
- [16] Popescu CM, Vasile C, Popescu MC, Singurel G, Popa VI, Munteanu BS;
„Analytical methods for lignin characterization. II. Spectroscopic studies”
CELLULOSE CHEMISTRY AND TECHNOLOGY Volume: 40 Issue: 8 Pag.597-621; 2006
- [17] I. Kelnar, J. Kotek, L. Kaprálková, B. S. Munteanu;
"Polyamide nanocomposites with improved toughness",
JOURNAL OF APPLIED POLYMER SCIENCE, 2005, 96, 288.
- [18] Kelnar I, Kotek J, Munteanu BS, Qiao J, Kapralkova L;
„Ternary blend with synergistic action of elastomeric and rigid polymer inclusions; Comparison of vulcanized and reactively compatibilized ultrafine rubber particles”;
JOURNAL OF POLYMER ENGINEERING, 2005, Vol. 25 Issue 2 Pages: 175-185
- [19] Kelnar I, Kotek J, Munteanu BS, Kapralkova L;
„PBT blends with rigid polymer and elastomer inclusions: the effect of component type and reactivity on mechanical behaviour”;
POLYMER INTERNATIONAL, 2004, Vol. 53 Issue: 12 Pages: 2066-2071
- [20] Kelnar I, Kotek J, Munteanu BS, Fortelny I;
„Influence of properties and morphology of elastomeric phase on the behavior of ternary reactive blends of polyamide 6/rigid polymer/elastomer”;
JOURNAL OF APPLIED POLYMER SCIENCE, 2003 Vol. 89 Issue: 13 Pages: 3647-3651
- [21] Chiriac M, Munteanu BS, Bumbu GG, Burlacel M, Ioanid A, Vasile C;
„Compatibility of polystyrene/polyolefin blends containing compatibilizing agents, 2 - Extraction behavior”;

Books (Coauthor)

HANDBOOK OF POLYMER BLENDS AND COMPOSITES

Editori C. Vasile and A.K. Kulshreshtha; RAPRA Technol. Ltd. Publ. Shawbury UK, 2003

Volume 4A, Chapter 4; "Polystyrene and Styrene Copolymers - Based Blends" , pages 121-184

Autori: B. S. Munteanu, M. Brebu, C. Vasile; ,

FOCUS ON NATURAL AND SYNTHETIC POLYMER SCIENCE

Editori: Cornelia Vasile, Gennadii Efremovich Zaikov ; Nova Science Publ., New York, 1-30 (2006); Chapter 1

„Radiation processing of polyolefin-containing blends. IV Polyethylene/Polystyrene blends containing compatibiliser”; pp, 1-30 ; Autori: C. Vasile, B. S. Munteanu,

M. C. Pascu, A. Stoleriu, M. Brebu, L. Niță, A. Tomescu, A. Cojocariu, E. Nemeș, T. Zaharescu

Elena Pâslaru Stoleru, Bogdănel S. Munteanu, and Cornelia Vasile; „ Biodegradable Polymeric Nanocomposites; Advances in Biomedical Applications; Edited by Dilip Depan; CRC Press 2015; Pages 49–72; Print ISBN: 978-1-4822-6051-9; eBook ISBN: 978-1-4822-6052-6; DOI: 10.1201/b19314-4.

Date,

01 mart 2022

Signature,

Lect. Dr. B. Munteanu