

Suzana Gotovac Atlagić, PhD

Education

- Apr 2005 – Mar 2007* **Chiba University**
PhD, Science and technology
Chiba, Japan
- Mar 2000 – Mar 2002* **Ochanomizu University**
MSc, Life sciences
Tokyo, Japan
- Sep 1996 – Mar 1999* **University of Banja Luka**
BE, Technology
Banja Luka, Bosnia and Herzegovina
- Sep 1993 – Jun 1996* **Higher technical and textile school**
higher education, Textile engineering
Belgrade, Serbia

Research Experience

- Oct 2015 – present* **Professor (Assistant)**
University of Banja Luka, Faculty of Natural Sciences and Mathematics
Banja Luka, Bosnia and Herzegovina
- Oct 2011 – Oct 2015* **Professor (Assist.)**
University of Banja Luka, Faculty of Technology
Banja Luka, Bosnia and Herzegovina
- Oct 2007 – Oct 2015* **Analytical chemist**
Public Health Institute, Waste Water Laboratory
Banja Luka, Bosnia and Herzegovina
- Nov 2004 – Mar 2007* **Research Assistant**
Chiba University, Graduate School of Science and Technology
Chiba, Japan
- Mar 2002 – Sep 2004* **Teaching assistant**
Université de Neuchâtel, Institut de chimie (ICH)
Neuchâtel, Switzerland

Projects

- Oct 2018 – 2021* **Team leader**
University of Banja Luka, Faculty of Natural Sciences and Mathematics
Banja Luka, Bosnia and Herzegovina
"RAISESEE. Raw Materials Students Internships in East South East Europe.",
funded by EIT Raw materials, Germany
- Oct 2017 – 2019* **Team leader**
University of Banja Luka, Faculty of Natural Sciences and Mathematics
Banja Luka, Bosnia and Herzegovina
"BloW-uP. Balkans Waste to Products: transfer of NoI model to Balkan area:
desiloing new waste-derived raw materials and developing new applications.",
funded by EIT Raw materials, Germany
- Oct 2014 – 2016* **Project expert**
University of Banja Luka, Faculty of Technology
Banja Luka, Bosnia and Herzegovina
"Laboratory Research on Electro-coagulation Process in the Waste Water
Treatment", funded by Ministry of Science and Technology, Republic of Srpska
- Jul 2014 – 2016* **Project coordinator**
University of Banja Luka, Faculty of Technology
Banja Luka, Bosnia and Herzegovina
„Research on Influence of the Nitrate Ions on Chemical Oxygen Demand in
Surface Waters Rivers: Vrbas, Bosna and Drina“, funded by Ministry of Science
and Technology, Republic of Srpska
- Dec 2013 – present* **Project expert**
University of Banja Luka, Faculty of Science
Banja Luka, Bosnia and Herzegovina
TEMPUS project: WIMB (Development of Sustainable Interrelations between
Education, Research and Innovation at WBC Universities in Nanotechnologies
and Advanced Materials where Innovation Means Business), funded by
European Commission
- Mar 2011 – Dec 2011* **Project expert**
University of Banja Luka, Faculty of Technology
Banja Luka, Bosnia and Herzegovina
„Nanotechnologies and New Materials“, funded by Ministry of Science and
Technology, Republic of Srpska

- Apr 2008 – Aug 2008* **Project expert**
Public Health Institute Banja Luka, Sanitary chemistry
Banja Luka, Bosnia and Herzegovina
"Analyses of the Pesticide and Heavy Metal Residues in Food", funded by
Ministry of Science and Technology, Republic of Srpska
- Apr 2005 – Mar 2007* **Project expert**
Chiba University, COE 21st
Chiba, Japan
„Frontiers of Super-Functionality Organic Devices“, funded by Ministry of
Education, Culture, Sports, Science and Technology Japan
- Oct 2003 – Sep 2004* **Project expert**
University of Neuchatel, Department of Chemistry
Neuchatel, Switzerland
„Extension of the Myers-Prausnitz- Dubinin Theory to adsorption of organic
molecules from aqueous solutions“, funded by Fonds national suisse de la
recherche scientifique

Awards & Grants

- Mar 2007* Award: Chiba university-Rector's Awards for Excellence
- Sep 2006* Award: Japanese chemical society conference-best oral presentation
- Sep 2005* Scholarship: JASSO-Japan Student Services Organization
- Mar 2002* Scholarship: Suisse National Science Fondation-reserach scholarship
- Mar 1999* Scholarship: MONBUKAGAKUSHO Japanese Government Scholarship
- Dec 1998* Award: WUS World University Students-excellent student prize

Skills & Activities

- Skills* Nanomaterials, Material Characterization, Nanomaterials Synthesis
- Languages* English, French, Japanese
- Scientific Memberships* Member: American Nano Society,
Vice-president: The association of technologists of Republic of Srpska
Member of the Scientific Committee: EU-COST Association
- Interests* Japanese culture promotion in Europe, International cuisine, Organic gardening,
Sawing, Foreign languages

Publication Highlights

Book Chapters

- Suzana Gotovac Atlagić, Verica Pavlić: *Commercialization of Nanotechnologies—A Case Study Approach*. Commercialization of Nanotechnologies - A Case Study Approach, 1 edited by Dermot Brabazon, Eva Pellicer, Fatima Zivic, Jordi Maria Baro, Nenad Grujovic, Kwang-Leong Choy, 09/2017: chapter Ever-Expanding Application Potentials For Iron-Based Nanomaterials: Catalyses And Biomedicine: pages 299-315; Springer., ISBN: 978-3-319-56978-9, DOI:10.1007/978-3-319-56979-6
- Toshihiko Fujimori, Fitri Khoerunnisa, Tomonori Ohba, Suzana Gotovac-Atlagić, Hideki Tanaka, Katsumi Kaneko: *Function of Conjugated π -Electronic Carbon Walled Nanospaces Tuned by Molecular Tiling*. Springer Series in Materials Science, Vol.209 edited by H. Ishii K. Kudo, T. Nakayama, and N. Ueno, 01/2015; Chiba University., ISBN: 978-4-431-55206-2, DOI:10.1007/978-4-431-55206-2_16
- Suzana Gotovac-Atlagić, Mihailo Ristić, Maja Katić, Vukoman Jokanović, Simo Jokanović, Nataša Jović, Vladimir Šamara, Ferid Softić, Aleksandar Stjepanović, Saša Nikolić, Rainer H. Muller: *Novi materijali i nanotehnologija (New materials and nanotechnology)*. Edited by Dr Mihailo RISTIĆ, 01/2012; University of Banja Luka., ISBN: 978-99938-54-42-5

Journal Publications

- Dragana Stević, Dijana Mihajlović, Radovan Kukobat, Yoshiyuki Hattori, Kento Sagisaka, Katsumi Kaneko, Suzana Gotovac Atlagić: *Hematite Core Nanoparticles with Carbon Shell: Potential for Environmentally Friendly Production from Iron Mining Sludge*. Journal of Materials Engineering and Performance 02/2016; 25(8):3121-3127., DOI:10.1007/s11665-016-1964-0
- Suzana Gotovac Atlagić, Takuya Hosokai, Tomonori Ohba, Yuichi Ochiai, Hirofumi Kanoh, Nobuo Ueno, Katsumi Kaneko: *Pseudometallization of single wall carbon nanotube bundles with intercalation of naphthalene*. Physical review. B, Condensed matter 08/2010; 82(7):075136 (1-6)., DOI:10.1103/PhysRevB.82.075136
- Suzana Gotovac, Cheol-Min Yang, Yoshiyuki Hattori, Kunimitsu Takahashi, Hirofumi Kanoh, Katsumi Kaneko: *Adsorption of polyaromatic hydrocarbons on single wall carbon nanotubes of different functionalities and diameters*. Journal of Colloid and Interface Science 11/2007; 314(1):18-24., DOI:10.1016/j.jcis.2007.04.080
- Suzana Gotovac, Lei Song, Hirofumi Kanoh, Katsumi Kaneko: *Assembly structure control of single wall carbon nanotubes with liquid phase naphthalene adsorption*. Colloids and Surfaces A Physicochemical and Engineering Aspects 06/2007; 300(1):117-121., DOI:10.1016/j.colsurfa.2006.10.035
- Suzana Gotovac, Hiroaki Honda, Yoshiyuki Hattori, Kunimitsu Takahashi, Hirofumi Kanoh, Katsumi Kaneko: *Effect of Nanoscale Curvature of Single-Walled Carbon Nanotubes on Adsorption of Polycyclic Aromatic Hydrocarbons*. Nano Letters 04/2007; 7(3):583-7., DOI:10.1021/nl0622597
- Suzana Gotovac, Yoshiyuki Hattori, Daisuke Noguchi, Jun-Ichi Miyamoto, Mamiko Kanamaru, Shigenori Utsumi, Hirofumi Kanoh, Katsumi Kaneko: *Phenanthrene Adsorption from Solution on Single Wall*

Carbon Nanotubes. The Journal of Physical Chemistry B 09/2006; 110(33):16219-24.,
DOI:10.1021/jp0611830

Elena Fernandez, Suzana Gotovac, Deirdre Hugi-Cleary, Victoria López-Ramón, Fritz Stoeckli: *Phenol Adsorption from Dilute Aqueous Solutions by Carbons*. CHIMIA International Journal for Chemistry 10/2003; 57(10):616-618., DOI:10.2533/000942903777678687

Suzana Gotovac, Tadashi Nakanishi: *New Materials from Polyamide 6*. Journal of Human Environmental Engineering vol.4(1), 136-139, 2002.

Suzana GOTOVAC, Tadashi NAKANISHI: *Graft Polymerization as the Method for Improvement of the Polyamide Fibers Features and Its Effects on the Structure of the Polymer*. Journal of Human Environmental Engineering vol.3(2), 192-197, 2001.

Suzana GOTOVAC, Tadashi NAKANISHI: *Water Vapor Adsorption of Hydrophilic Polymers*. Journal of Human Environmental Engineering vol.3(1), 96-99, 2001.

Suzana Gotovac-Atlagić, Tadashi Nakanishi: *Glass Transition in Wool*. Journal of Human Environmental Engineering vol.2 (2), 70-71, 2000.

Conference Proceedings

Suzana Gotovac Atlagić, Tina Đukić, Dragana Stević, Radovan Kukobat, Yoshiyuki Hattori, Kento Sagisaka, Mario Pisaturo, Adolfo Senatore: *Remediated Waste Iron-based Nanomaghemite as Friction Modifier for Lubricants*. V International Congress "Engineering, Environment and Materials in Processing Industry", Jahorina, Bosnia and Herzegovina; 03/2017

Borislav N. Malinović, Suzana Gotovac Atlagić, Tijana Malinović, Natalija Bjelajac, Aleksandra Milovanović: *Phosphate removal from wastewater by electrocoagulation process using aluminium electrode*. 53rd Meeting of the Serbian Chemical Society, Kragujevac, Serbia; 06/2016

Suzana Gotovac Atlagić, Siniša Vučenović, Toni Nikolić, Anđela Tomić, Dragana Stević: *Mining Hotspots-Potential in Expanding the Chemical and Physical Applications of Nanomaterials*. 11th Scientific - Research Symposium with International Participation Metallic and Nonmetallic Materials production - properties - application, Zenica; 04/2016

Dragana Stević, Milica Tomić, Bojana Bjeljac, Slađana Gligorić, Suzana Gotovac Atlagić: *Possibilities for Remediation of the Mining Dump Lakes by Extraction of the Metal Ions for Nanotechnologies*. Young Researchers Conference - Materials Science and Engineering, Belgrade, Serbia; 12/2015

Suzana Gotovac Atlagić, Vesna Rudić Grujić, Bojana Bjeljac: *Naturally Occuring Sulfate in Waters of Republic of Srpska-Relation to the Water Applicabilty*. Symposium of the Biologists and Ecologists in Republic of Srpska, Banja Luka, Bosnia and Herzegovina; 11/2015

Suzana Gotovac Atlagić, Dragana Stević, Marko Čađo, Yoshiyuki Hattori, Kento Sagisaka, Radovan Kukobat, Katsumi Kaneko: *Hybrid Nanometallic / Carbon Materials Prepared with Metal Ions Recovered from Mining Waste Water*. EUROMAT 2015-European Congress and Exhibition on Advanced Materials and Processes, Warsaw; 09/2015

- Suzana Gotovac Atlagić, Marko Čađo, Siniša Vučenović, Jovan Šetrajčić, Igor Šetrajčić: *Production of Nanomaterials for Physical/Chemical Methods of Fluid Filtering*. YUCOMAT 2015, Herceg Novi, Montenegro; 08/2015
- Suzana Gotovac Atlagić: *POZIV NA SKUP 05.06.2015. NA INSTITUTU ZA JAVNO ZDRAVSTVO*. Stručni skup Instituta za javno zdravstvo na Dan životne sredine; 06/2015
- Marko Čađo, Dragana Stević, Slađana Gligorić, Yoshiyuki Hattori, Kento Sakisaka, Katsumi Kaneko, Radovan Kukobat, Igor Šurlan, Suzana Gotovac Atlagić: *Phisico-chemical Characterization of the Hybrid Iron/Carbon Nanomaterials*. 4th International Congress "Engineering, Ecology and Materials in the Process Industry", Faculty of Technology Zvornik, Jahorina, Bosnia and Herzegovina; 03/2015
- Suzana Gotovac Atlagić, Verica Pavlić: *An Attempt to Obtain Medically Applicable Iron Nanoparticles from Iron Mine Waste Water*. Contemporary Materials-Journal of the ANURS, Banja Luka, Bosnia and Herzegovina; 12/2014
- Dragana Stević, Katsumi Kaneko, Yoshiyuki Hattori, Kento Sagisaka, Radovan Kukobat, Igor Šurlan, Suzana Gotovac Atlagić: *Precipitation of the Highly Crystalline Iron Nanoparticles from the Iron Mine Waste Water*. International Conference of Environmental Protection and Related Sciences Applicable in Environmental Protection, Novi Sad University, Novi Sad, Serbia; 11/2014, DOI:10.13140/2.1.3919.5848
- Slađana Gligorić, Marko Čađo, Dragana Stević, Suzana Gotovac Atlagić: *Iron Mine Waste Sludge as a Source of Raw Materials for Innovations in Nanoscience*. Technological Innovation-Generator of Economic Developments, Chamber of Commerce, Banja Luka; 11/2014
- Suzana Gotovac-Atlagić, Jadranka Malina, Marijana Mionić Ebersold: *From Mud to Bud-Recovering Bosnian Forgotten Iron*. 8th European Waste Water Management Conference and Exhibition, Manchester, UK; 10/2014, DOI:10.13140/2.1.1915.0407
- Suzana Gotovac Atlagić, Mihailo Ristić: *Where Micro Meets Nano: Possibilities for Production of Highly Profitable Nanomaterials in the Small-scale Industry in Bosnia and Herzegovina from Domestic Raw Materials*. "Innovations and Entrepreneurship-a Driving Force for Development and Employment", University of Banja Luka-Faculty of Economy, Banja Luka, Bosnia and Herzegovina; 09/2014, DOI:10.13140/2.1.1871.4880
- Suzana Gotovac-Atlagić, Vesna Rudić Grujić, Bojana Bjeljac, Borislav Malinović: *NITRATE NITROGEN AND WATERS IN REPUBLIC OF SRPSKA*. ENVIRONMENT PROTECTION BETWEEN SCIENCE AND PRACTICE - STATUS AND PERSPECTIVES, Banja Luka, Bosnia and Herzegovina; 12/2013