

## NEW MEMBERS OF THE EDITORIAL BOARD



**Prof. dr Ljubisa D. Andric**

### **Organizational Units:**

Sector for Mineral Processing and Inorganic Technologies

### **Profile/Educational Data:**

Doctor of Technical Sciences and Associate Professor

### **ACADEMIC CAREER:**

#### **Employment:**

Institute for Technology of Nuclear and Other Mineral Raw Materials, 1986.

#### **Position:**

Younger professional assistant	1986.
Professional assistant	1987.
Higher professional assistant	1991.
Research assistant	1992.

### **Diplom thesis:**

"Fortifying parameters of the flotation concentration of monomineral ores of antimone from Kik-Stolice", University of Belgrade, Faculty of Mining and Geology, Mineral Processing Department, Belgrade, 1984.

### **MS thesis:**

"Investigation of kinetics of dry micronization of mica in ultra-centrifugal mill with a peripheral comminution path" University of Belgrade, Faculty of Mining and Geology, Mineral Processing Department, Belgrade, 1993.

### **PhD thesis:**

"Mechanochemical activation of alumina and its influences on change of the alumina crystal structure" University of Belgrade, Center for Multidisciplinary Studies (CMS), 1999.

### **Current Position:**

Principal Research Fellow Institute for Technology of Nuclear and Other Mineral Raw Materials, Belgrade, Associate Professor, Technical faculty in Bor, University of Belgrade.

Assistant	1993-1999.
Senior Research Associate	1999-2004.
Chief of the Mineral Processing Department	2001-2004.
Principal Research Fellow	2004-Present
Chief of the Sector for Mineral Processing and Inorganic Technologies	2009-Present
Associate Professor	2009-Present

**Scope of Research:**

Kinetics and mechanisms of fine and ultra-fine dry micronizing materials mill;

Phenomenons of mechanical and mechano-chemical activation of materials;

Separation processes in processing of mineral raw materials and their complex and rational usage in technology of the new materials.

**The leadership and participation in projects:**

Project manager 19033, Technological Development: "Defining the optimal technological and technical parameters of manufacturing ultra-fine powders micronizing", Ministry of science and technological development, of Republic of Serbia, 2008-2011.

Project manager 6722, Technological Development: "Development of production technology and powder fillers in various industries", Ministry of science and technological development of Republic of Serbia, 2004-2006.

Project manager MHT. 2.06.0051.B: "Development and production of materials for application in metallurgy, construction engineering and machinery production", Ministry of science, technology and development of Republic of Serbia (2002-2004).

Project manager 401-00-383/178/2001-10: "Mobile plants for recycling of waste construction materials", Ministry of science, technology and development of Republic of Serbia (2001).

Project manager 401-00-383/178-I/2001-10: "Procedures and devices for waste material recycling", Ministry of health and environmental protection of Republic of Serbia (2001).

**Studies:**

Technical documentation for reconstruction of technological line for micronization and classification of white minerals Venčac, ITNMS Belgrade, 1999.

Technical documentation and economical evaluation of the recycling plant for construction material, ITNMS Belgrade, 1999.

Determinatin of optimal technological and technical parameters for micronization of mica from Feldspat-Bujanovac plant, ITNMS Belgrade, 2000.

Feasibility study for micronization plant for mica from flotation plant "Feldpat-Bujanovac", ITNMS Belgrade, 2000.

Feasibility study for the recycling plant for the waste construction material, ITNMS Beograd, 2000.

**Refereed papers:****Scientific books and monographs:**

Božidar Branković, Ljubiša Andrić: "Mobile plant for recycling construction waste materials", ITNMS and Ministry of health and environmental protection of Republic Serbia, ISBN 86-82867-10-7, 2002.

Ljubiša Andrić: "Mica-Processing Application" ITNMS, Ministry of science and technology of Serbia, ISBN 86-82867-19-2, Belgrade, 2006.

Ljubiša Andrić, Siniša Milošević: "Domestic Nonmetallic Mineral Raw Materials for Commercial Use", Chapter in Monograph: Quality and technical conditions for the use of raw nonmetallic materials, ITNMS, ISBN 86-82867-09-5, Belgrade, 1998, pp.50-58.

Milan Petrov, Ljubiša Andrić, Siniša Milošević: "Mechanochemical activation in valorization of valuable components from the mineral raw materials and wastes", Chapter in Monograph: Recycling of wastes and secondary raw materials in environmental protection", Belgrade, 1995, pp.137-145.

Milan Petrov, Siniša Milošević, Ljubiša Andrić: "Controlled mechanical activation of disperse materials", Serbian Academy of Sciences and Arts, Scientific Meetings, Volume CVI, Department of Technical Sciences, Book 4, Sintering Theory and

technology (40 Years of the Belgrade School of Sintering), Proceedings of the Scientific Meeting held on April 16-17, 2003, Accepted at the Meeting of the Department of Technical Sciences, May 13, 2003., Editor Academician Momčilo M. Ristić, Belgrade 2004, ISBN 86-7025-361-5, pp.105-116.

Ljubiša Andrić: "Production of Non-metallic Mineral Raw Materials", Chapter in Monographs: Mineral-Resources complex of Serbia today: Challenges and Crossroads), Akademija inženjerskih nauka Srbije (AINS), Rudarsko-geološki fakultet Univerziteta u Beogradu, Privredna komora Srbije, ISBN 978-86-87035-02-7, 2010, Beograd, pp.189-202

Ljubiša Andrić, Nadežda Čalić, Vladan Milošević, Zagorka Aćimović-Pavlović: "Development and Application of Micronized Milling Nonmetallic Mineral raw Materials in Environmental Protection", Mineral Resources complex of Serbia today: Challenges and Crossroads), Akademija inženjerskih nauka Srbije (AINS), Rudarsko-geološki fakultet Univerziteta u Beogradu, Privredna komora Srbije, ISBN 978-86-87035-02-7, 2010, Beograd, pp. 203-210

#### **Papers published in international journals:**

Ljubiša Andrić, Deana Živanović, Siniša Milošević: "Change of the physical characteristics of the materials by mechanical activation", Advance Science and Technology of Sintering, (1999), pp. 187-192. (ISBN 0-306-46180-3).

Ljubiša Andrić, Ljubica Pavlović, Siniša Milošević, Milan Petrov, Sanja Martinović: "Theoretical Principles of Mechanochemical Activation During the Operation of High-Energy Mechanoactivators", Powder Metallurgy Science & Technology Briefs, 3 (2001) 11-17.

Ljubiša Andrić, Ljubica Pavlović, Siniša Milošević, Milan Petrov, Sanja Martinović: "The Change of Alumina Crystal Structure by

Mechanochemical Activation", Part I, Powder Metallurgy Science & Technology Briefs, 4 (2002) 10-12.

Ljubiša Andrić, Ljubica Pavlović, Siniša Milošević, Milan Petrov, Sanja Martinović: "The Change of Alumina Crystal Structure by Mechanochemical Activation", Part II, Powder Metallurgy Science & Technology Briefs, 4 (2002) 21-26.

Zagorka Aćimović, Ljubica Pavlović, Ljiljana Trumbulović, Ljubiša Andrić, Milan Stamatović: "Synthesis and Characterization of the Cordierite Ceramics from Non-Standard Raw Materials for Application in Foundry", Materials Letters 57 (2003) 2651-2656. (ISSN 0167-577X).

Ljiljana Trumbulović, Zagorka Aćimović, Zvonko Gulišija, Ljubiša Andrić: "Correlation of Technological Parameters and Quality of Castings Obtained by the EPC Method", Materials Letters 58 (2004) 1726-1731. (ISSN 0167-577X)

Milutin R. Đuričić, Zagorka S. Aćimović-Pavlović, Ljubiša D. Andrić: "The Correlation Of Technological Parameters And The Structure Of Cold Sintered Iron As A Basis For Material Property Prognosis", Materials Letters 60 (2006) 3390-3393. (ISSN 0167-577X).

Nadežda Čalić, Ljubiša Andrić: "Mineral Processing in Serbia", Special Issue Dedicated to the "XIII Balkan Mineral Processing Congress", Bucharest Romania, Revista Minelor, Vol.15, Nr.4-5, (2009), ISSN 1220-2053, pp. 17-22.

Nadežda Čalić, Ljubiša Andrić: "Mining actuality in Serbia", Brochure of Balkan Academy of Science on Mineral Technologies, Edition 1, (2009), pp. 21-27.

Zagorka Aćimović-Pavlović, Ljubiša Andrić, Vladan Milošević, Sonja Milićević: "Refractory Coating Based on Cordierite for Application in new Evaporate Pattern Casting Process", ELSEVIER, Ceramics International 37, (2011), pp. 99-104.

**Papers published in national journals:**

Ljiljana Trumbulović, Zvonko Gulišija, Zagorka Aćimović-Pavlović, Ljubiša Andrić: "Influence of the Cordierite Lining on the Lost Foam Casting Process", *Journal of Mining and Metallurgy*, 39 (3-4) B (2003) (ISSN 1450-5959).

Ljubiša Andrić, Milan Petrov, Vladan Milošević, Slavica Mihajlović: "Operating technique of mills in the process of micronization milling of alumina", *Journal of Mining and Metallurgy*, 41 (1-4)A (2005) 27-43. (ISSN 1450-5959).

Zagorka S. Aćimović-Pavlović, Aurel K. Prstić, Ljubiša Andrić: "Cordierite ceramics for the application in foundry practice", *Chemical Industry*, 61 (2007) 39-43. (ISSN 0354-7531).

Zagorka Aćimović-Pavlović, Aurel Prstić, Ljubiša Andrić: "The characterization of talc based coating for the application in foundry", *Chemical Industry & Chemical Engineering Quarterly (CI&CEQ)*, 13 (2007) 38-40. (ISSN 1451-9372).

**International meetings:**

Ljubiša Andrić, Milan Petrov, Gordana Stefanović, Zagorka Aćimović Pavlović, Aurel Prstić: "Perspectives of dry micronized milling of application "jet-mill" in production of non-metallic raw materials", X Balkan Mineral Processing Congress, ISBN-954-9748-54-5, Varna, 15-20 June, Bulgaria, 2003., pp. 70-75.

Ljubiša Andrić, Siniša Milošević, Gordana Stefanović, Ljubica Čojbašić, Zagorka Aćimović-Pavlović: "Application "Jet-mill" in production of micronized fillers", 2004 International Conference on Powder Metallurgy and particulate Materials, 13-17 June 2004., Chicago, USA, Part 2, pp. 1-7.

Ljubiša Andrić, Milan Petrov, Slavica Mihajlović, Vladan Milošević: "Micronized Milling of Non-Metallic Raw Materials in

Mills New Construction", International Mineral Processing Congress, Turkey, 3-8 September 2006., Volume I, ISBN 975-7946-27-3 (Tk), pp. 62-69

Ljubiša Andrić, Vladan Milošević, Milan Petrov, Ivana Ilić: "Comparative data Analysis of Dry Micronizing Mica Milling in Vibro and Ultra-Centrifugal Mill", 2007 International Conference on Powder Metallurgy and Particulate Materials, Session: Materials /Properties, ISBN:1-878954-96-2, Denver 13-16 May, USA, 2007., Part: B7.

Ljubiša Andrić, Nadežda Čalić, Dušan Salatić, Siniša Milošević: "Theoretical Principles of Mechanical Activation During Processes in New Construction Mills", XXIV International Mineral Processing Congress, 24-28 September, 2008., Beijing, China, ISBN 978-7-03-022711-9, pp. 609-617.

**Membership Data:**

Secretary of Yugoslavia Community for Mineral Processing, 1995/97.

President of Serbia and Montenegro Community for Mineral Processing, 2002/04.

Vice President of Serbia and Montenegro Community for Mineral Processing, 2004/06.

Secretary of Scientifically Council in ITNMS, 1994/98.

Vice President of Scientifically Council in ITNMS, 2002/06.

Corresponding member: Balkan Academy of Sciences for Mineral Technology, (BASMT), 2006.

Corresponding member: Academy of Engineering Sciences (AINS), of Serbia, 2007

Vice President of Serbia Community for Mineral Processing, 2006/08.

Vice President of Serbia Community for Mineral Processing, 2008/10.

Full member: Balkan Academy of Sciences for Mineral Technology, (BASMT), 2010.