

SR Ph.D. Tudor LUPASCU

SHORT PROFESSIONAL INFO

Senior Researcher, PhD with analytical chemistry background. Author / co-author of more than 210 scientific papers, including: 67 ISI quoted papers, 52 BDI articles, 84 papers in international journals, 6 books, 3 book chapters.

ACTUAL POSITION

General Manager
Institute of Chemistry A.S.M, Republic of Moldova

ACADEMIC QUALIFICATION

2012: member of the Academy of Sciences;
1981: PhD, Institute of Water Chemistry and Colloidal Chemistry, Kiev, Academy of Sciences of Ukraine;
1972: Bachelor degree, Moldova State University, Faculty of Chemistry, Department of Inorganic Chemistry.

RESEARCH INTEREST

- Chemical processes;
- Physical, chemical and toxic sorption mechanisms on solid supports;
- Environmental protection and rational use of natural resources;
- Organic chemistry of freshwaters and wastewaters;
- Manufacturing technology for carbon adsorbents from vegetable raw materials;
- Water purification technologies for drinking purposes;
- Integral byproduct of the wine industry and obtaining biologically active preparations for medicine and agriculture.

SCIENTIFIC PUBLICATIONS

ISI papers (selection)

1. T. Lupaşcu, R. Nastas, Z. Abulfatah et al. The characterization of active carbon coals obtained from unconventional raw materials//Revista de Chimie, 2004, 55(10), 805-807.
2. T. Lupaşcu, M.Ciobanu, V. Boţan, O. Petuhoov. Investigation of Modified Activated Carbons Structural Parameters and Adsorption Capacity. Revista de Chimie,2009. v.60, nr.7, p.p.711-714.
3. Inga Zincovscaia, Tatiana Mitina, Tudor Lupaşcu, Gheorghe Duca et. Study of Chromium Adsorption onto Activated carbon. Water, Air, Soil Pollut,An International, Journal, of Environmental. Pollution, V. 225, Nr. 3 P. 225:1-6.
4. Т.Лупашку, Р.Настас, Глава в монографии. Адсорбция, адсорбенты и адсорбционные процессы в нанопористых материалах Москва, 2011, Глава 17, p. 425-446. (in Russian)
1. Moroto-Valer M.M., Dranca I., Lupaşcu T. et al. Effect of adsorbate polarity on thermodesorption profiles from oxidized and metal-impregnated activated carbon//Carbon, 2004, V.2, (12-13); 2655-2659.
2. Gh. Duca, T. Lupaşcu, P. Vlad et al. Studies the water solubilization processes of oenotannins and their Physico-Chemical properties//Chemistry Journal of Moldova, 2006, V. 1, nr. 1, 74 – 79.

1. Tudor Lupascu, Gheorghe Duca, Maria Giurginca, Pavel Vlad, Lucian Lupascu. Natural Compounds with Antioxidant Properties. Key Engineering Materials, vol.415, (2009), pp 25-28.
2. T. Lupaşcu, G. Petukhova, M. Ciobanu, V. Botsan. Adsorption of Cu^{2+} ions from aqueous solutions on the active carbon oxidized with hydrogen peroxide and impregnated with nitrogen-containing compounds. Известия Академии Наук, серия химическая 2008, № 12. стр. 2417-2421.

Books

1. T. Lupaşcu, Cărbuni activi din materii prime vegetale, ÎEP „Ştiinţa”, Chişinău, 2004, 224 p. (in Romanian)
2. V. Rusu, T. Lupaşcu, Chimia sedimentelor acvatice, Chişinău, 2004, 272 p. (in Romanian)

Book chapters (selection)

1. Lupascu T., Nastas R., Rusu V. Treatment of Sulfurous Waters Using Activated Carbons. In: Management of Water Quality in Moldova. Editor Gh. Duca. Springer International Publishing, Switzerland 2014. Water Science and Technology Library 69, pp. 209-224.

ISI Proceedings (selection)

3. T. Lupaşcu, Gh. Duca, G. Lupaşcu, Enoxil – preparat ecologic pentru protecţia plantelor. Chişinău, Tipog. AŞM, 2010 - 136 p.
4. T. Lupaşcu, Gh. Duca, V. Gonciar, Enoxil – preparat ecologic pentru sănătatea omului. Chişinău, Tipog. AŞM, 2012 - 256 p.
5. Alexandru Gonta, Tudor Lupascu, Nina Timbaliuc, Aurelia Meghea, Obtaining and characterizing modified tannins by physical-chemical methods. Central European Journal of Chemistry, November 2014, p. 2-8.

AWARDS

- 1981: ASM Presidium Award for young people.
- 1996: State Award of the Republic of Moldova in science, technology and production.
- 1997: Presidents Award Academies of Sciences of Ukraine, Belarus and Moldova.
- 2000: ASM Presidium Award.
- 2000: Emeritus Republica of Moldova.
- 2006: Medal “60 Years of ASM”.
- 2006: Medal “Serve the Fatherland”.
- 2009: Award Academy of Sciences of Moldova.
- 2009: First place in Moldova Top Inventions.
- 2009: Gold Medal of the World Intellectual Property Organization.
- 2009: The Order of Leonardo da Vinci.
- 2008: Inventors Forum Award in Romania.
- 2008,2009: Greate Prize Award of the EUROINVENT Exhibition.
- 2010: “Labour Glory” Order.
- 2010: “Dimitrie Cantemir“ Medal.
- 2010: “Nicolae Testemiţanu“ Medal.
- 2010: Diploma Merit of National Council for Accreditation and Attestation
- 2010: Citizen of Honor of Singerei.
- 2011: Aurel Vlaicu Order for technical and scientific creativity.
- 2012: 1st place “Innovations Top 2012”
- 2015: Republic of Moldova Government award “The most equipped inventor of the year”

Gold medals at international exhibitions of inventions – 46
Silver medals at international exhibitions of inventions – 24.
Bronze medals at international exhibitions of inventions – 6.
Gold cups at international exhibitions of inventions – 9.