

Dmitri Muraviev

Profile information of editors team

1. Academic degree

PhD Chemistry

2. Current Position and affiliation

Associate Professor, Department of Analytical Chemistry,
Autonomous University of Barcelona, Spain.

3. Contacts

Prof. Dmitri Muraviev, Unidad de Química Analítica, Depto. Química,
Universidad Autónoma de Barcelona, 08193 Bellaterra (Barcelona),
Spain

E-mail: Dimitri.Muraviev@uab.es

4. Research interests

Specialisation (UNESCO codes): 2210, 221017, 221090, 221032,
2301, 230103, 230413

- Physico-chemical characterization of ion-exchange materials and reactive polymers
- Ion-exchange materials and reactive polymers in analytical, environmental and chemical engineering applications
- Specific applications of polymeric materials and ion exchangers

5. Member of Editorial Boards

Solvent Extraction & Ion Exchange journal, Taylor & Francis.

6. Selected Publications (5-10)

- R. Khamizov, D.Muraviev and A. Warshawsky. Recovery of Valuable Mineral Components from Sea Water by Ion Exchange and Sorption Methods. In: Ion Exchange and Solvent Extraction. A Series of Advances; J. Marinsky and Y. Marcus, Eds., Marcel Dekker: New York, v.12, 1995, chap. 3.

- V.Gorshkov, D.Muraviev and A.Warshawsky. Ion-Exchange Methods for Preparative Ultra-Purification of Inorganic, Organic and Biological Substances. In: Ion Exchange: Theory and Practice. Highlights of Russian Science, v.1, Eds., D.Muraviev, V.Gorshkov and A.Warshawsky, Marcel Dekker, Inc., New York, 2000, pp.1-74.
- D.Muraviev. Ecologically Safe Ion-Exchange Technologies. In: Encyclopaedia of Separation Science, I.D. Wilson, C.F. Poole, T.R. Adlard and M. Cooke, Eds., Academic Press, London, 2000, pp. 2644-2654.
- Alonso, J. Bastos-Arrieta, G.L. Davies, Yurii.K. Gun'ko, N. Vigués, X. Muñoz-Berbel, J. Macanás, J. Mas, M. Muñoz, D.N. Muraviev. Ecologically Friendly Polymer-Metal and Polymer-Metal Oxide Nanocomposites for Complex Water Treatment. In: Nanocomposites- New Trends and Developments, Farzad Ebrahimi, Ed., Chapter 8, 187-213, Intech, 2012. ISBN 978-953-51-0762-0.
- Clean Ion-Exchange Technologies. III. Temperature Enhanced Conversion of Potassium Chloride and Lime Milk into Potassium Hydroxide on Carboxylic Ion Exchanger. D. Muraviev, J. Noguerol, J. Gaona and M. Valiente, Ind. Eng. Chem. Res., 38(11), 4409-4416 (1999).
- Conversion of Pollutants to Fertilizers: Ion Exchange Synthesis of Potassium Sulphate from Acidic Mine Waters, D. Muraviev. Water Sci. Technol., 48(1), 199-206 (2003).
- Clean Ion Exchange Technologies. 4. High Ca-selectivity sorbent for self-sustaining process for decalcification of mineralised waters. D. Muraviev, R. Khamizov, N. Tikhonov and J. Gómez Morales. Ind. Eng. Chem. Res., 43, 1868-1874 (2004).
- Superparamagnetic Ag@Co-Nanocomposites on Granulated Cation Exchange Polymeric Matrices with Enhanced Antibacterial Activity for the Environmentally Safe Purification of Water. A. Alonso, X. Muñoz-Berbel, N. Vigués, R. Rodríguez-Rodríguez, J. Macanás, M. Muñoz, J. Mas and D.N. Muraviev. Adv. Func. Mater., 23, 2450-2458 (2013).