

Universitatea Politehnica din Bucuresti
Facultatea Inginerie Chimică și Biotehnologii
Departamentul Chimie Analitica si Ingineria Mediului
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L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

1. Teza de doctorat

Studii și cercetări privind influența nitraților și nitriților prezenți în sol asupra calității apei, 2010

2. Studii postdoctorale:

Depoluarea apelor cu conținut de metale grele prin schimb ionic și extracție lichid-lichid, 2014-2016

3. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Mihaela Mihai, *Cristina Modrogan*, Oanamari Orbulet, Alexandra Raluca Miron, Cristina Costache, **Aplicatii în Tratarea și Epurarea Apelor**, editura Politehnica Press, 2013, ISBN 978-606-515-524-4
2. Cristina Orbeci, *Cristina Modrogan*, Oanamari Daniela Orbulet, Alexandra Raluca Miron, **Toxicologie si reactivitate chimică – îndrumar laborator**, editura Politehnica Press, 2013, ISBN 978-606-515-501-5
3. *Cristina Modrogan*, Simona Căprărescu, Anette Madelene Dăncilă, Oanamari Daniela Orbuleț, **Tratarea si epurarea apelor - îndrumar de laborator**, Editura Politehnica Press, 2020, ISBN 978-606-515-903-7
4. Ion Ion, *Cristina Modrogan*, Oanamari Daniela Orbuleț, Constantin Bobirică, Liliana Bobirică, Alina Catrinel Ion, **Metode de separare aplicate în analiza unor probe de mediu și produse alimentare**, Editura Politehnica Press, 2020, ISBN 978-606-515-913-6

Cărți și capitole în cărți publicate

1. Suharu Ogaki, Rodica Stanescu, Cristina Costache, Cristina Modrogan, Oanamari Daniela Butucea, Liliana Bobirica s.a., "Controlul calitatii mediului", editura Cartea Universitara, 2003, ISBN- 973-7956-34-6
2. 37. Cristina Ichimas, Mircea Nicoara, Laura Pricope, Cristina Modrogan, „Ecologie și Protecția Mediului”, editura...Ecozone, Iasi 2004, vol I ISBN 973-86082-6-0
3. 38. Cristina Ichimas, Mircea Nicoara, Laura Pricope, Cristina Modrogan, „Ecologie și Protecția Mediului”, editura Ecozone, vol 2, 2005, ISBN
4. Cristina Costache, Cristina Modrogan, „*Ecotoxicologie și evaluarea riscului*” Editura Agir 2006, ISBN 973-720-073-x

5. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Ecaterina Diaconu, Oanamari Daniela Orbuleț, Alexandra Raluca Miron, *Cristina Modrogan*, **Forecasting the sorption of phosphates in soil with artificial neural networks**, U.P.B. Sci. Bull., seria B, vol 72, Iss. 3, pp. 175-182, 2010
2. *Cristina Modrogan*, Ecaterina Diaconu, Oanamari Daniela Orbuleț, Alexandra Raluca Miron, **“Forecasting study for nitrate ion removal using reactive barriers”**, REV. CHIM. (Bucharest), 61,6, pag. 580-584, 2010
3. Alexandra Raluca Miron, *Cristina Modrogan*, Oanamari Daniela ORbuleț **“Evaluation of Electro Coagulation Process Performances for Decolorization of Alizarin Saphirol Containing Solution”**, REV. CHIM. (Bucharest) ♦ 61♦ Nr.7, pg 646-650, 2010
4. Alexandra-Raluca Miron, *Cristina Modrogan*, Oanamari Daniela Orbuleț, Cristina Costache, Iustina Popescu **„Treatment of acid blue 25 containing wastewaters by electrocoagulation”**, U.P.B. Sci. Bull., Series B, Vol. 72, Iss. 1, 2010
5. *Cristina Modrogan*, Alexandra R. Miron, Oanamari D. Orbuleț, Cristina M. Costache **„Removal of nitrate and hexavalent chromium from groundwater using zerovalent iron – A laboratory study”** , The 9th International Symposium Prospects for the 3rd Millennium Agriculture, Cluj-Napoca (publicat în Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca), ISSN 1843-5246, pag 129-135, octombrie 2010
6. Alexandra Raluca Miron, *Cristina Modrogan*, Oanamari Daniela Orbuleț, **„Studies and Research Regarding Some Pollutants Removal Using Electro-coagulation Technique”**, REV. CHIM. (Bucharest), 62, nr.2, 2011, pg.163-167
7. *Cristina Modrogan*, Oanamari Daniela Orbuleț, Alexandra Raluca Miron, Dumitru Apostol, **„Kinetic Research Regarding the Nutrient Retention in the Soil Using the Neural Networks”**, REV. CHIM. (Bucharest) 62 Nr.3 pag. 272-277, 2011
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10. Irina Pincovschi, *Cristina Modrogan*, **Chromatographic Method for Determination of the Number of Mass Transfer Units in Adsorption Columns in Unsteady-State Conditions** REV. CHIM. (Bucharest), 65, No.8, 2014, pp. 876-879
11. *Cristina Modrogan*, Irina Pincovschi, Sanda Budea, Depollution of Acid Waste Waters Containing **Cadmium Ions Using Liquid-Liquid Extraction**, Rev. Chim. (Bucharest) 65, 10, 2014, 1235-1237
12. *Cristina Modrogan*, Irina Pincovschi, **Depollution of Acid Waste Waters Containing Zinc Ions Using Liquid - liquid Extraction**, REV. CHIM. (Bucharest) 65, 11, 2014, 1253 – 1255
13. *Cristina Modrogan*, Oanamari Daniela Orbuleț, Alexandra Raluca Miron, **Nitrate Removal from Water using Exchange Resins**, Revista de chimie, 65, 12, 2014, p 1502- 1506
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