



NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT  
IN ENVIRONMENTAL PROTECTION

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# Year 2015

## Books

Cover	Title	ISBN	Publisher	Authors
	Capitol 4. METODE DE ANALIZĂ ȘI PREZENTARE A DATELOR in cartea Ghid metodologic de monitorizare a factorilor hidromorfologici, chimici și biologici pentru apele de suprafață din Rezervația Biosferei Delta Dunării	978- 606- 93721- 8-0	Centrul de Informare Tehnologică Delta Dunării	I.M. Tudor, O. Ibram, L. Torok, S. Covaliov, M. Doroftei, M. Tudor, A. Nastase, I. Navodaru

 <p><b>METODE ȘI STANDARDE PENTRU LABORATOARELE DE CONTROL MICROBIOLOGIC</b></p> <p>VERONICA LAZAR MARIANA CARMEN CHIFIRIUC CARMEN CIURUTU MIHAELA MAGDALENA MITACHE FLORICA MARINESCU CRISTINA CROITORU LORENA MATEESCU LUMINIȚA MĂRUȚESCU</p>	<p>Metode și standarde pentru laboratoarele de control microbiologic</p>	<p>978- 606- 16- 0695- 5</p>	<p>Editura Universității București</p>	<p>V. Lazăr, M. C. Chifiriuc, C. Curuțiu, M. M. Mitache, F. Marinescu, C. Croitoru, L. Mateescu, L. Măruțescu</p>
 <p>INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE DELTA DUNĂRII - IULCEA</p> <p><b>GHID METODOLOGIC</b> DE MONITORIZARE A FACTORILOR CHIMICI ȘI HIDROBIOLOGICI PENTRU APELE DE SUPRAFAȚĂ DIN REZERVAȚIA BIOSFEREI DELTA DUNĂRII</p>	<p>Capitolul 3. Metode de monitorizare a indicatorilor biologici în ecosistemele acvatice ale Deltei Dunării in cartea Ghid metodologic de monitorizare a factorilor hidromorfologici, chimici și biologici pentru apele de suprafață din Rezervația Biosferei Delta Dunării</p>	<p>978- 606- 93721- 8-0</p>	<p>Centrul de Informare Tehnologică Delta Dunării</p>	<p>I.M. Tudor, O. Ibram, L. Torok, S. Covaliov, M. Doroftei, M. Tudor, A. Nastase, I. Navodaru</p>



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## ISI Indexed Papers

### International Journal of Climatology - Impact Factor 3.609

Title	Authors
Climate of the Carpathian Region in the period 1961–2010: climatologies and trends of 10 variables	J. Spinoni, S. Szalai, T. Szentimrey, M. Lakatos, Z. Bihari, A. Nagy, A. Nemeth, T. Kovacs, D. Mihic, M. Dacic, P. Petrovic, A. Krzic, J. Hiebl, I. Auer, J. Milkovic, P. Stepánek, P. Zahradnicek, P. Kilar, D. Limanowka, R. Pirc, S. Cheval, M. V. Birsan, A. Dumitrescu, Gy. Deak, M. Matei, I. Antolovic, P. Nejedlik, P. Stastny, P. Kajaba, O. Bochnicek, D. Galo, K. Mikulova, Y. Nabyvanets, O. Skrynyk, S. Krakovska, N. Gnatiuk, R. Tolasz, T. Antofie, J. Vogt

### Materials Letters - Impact Factor 2.59

Title	Authors
Fullerene-modified silica materials designed for highly efficient dyes photodegradation	E.A. Rogozea, A. Meghea, N.L. Olteanu, A. Borş, M. Mihaly



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## Revista de Chimie - Impact Factor 0.956

Title	Authors
Spatio-Temporal Characterization of Nutrient Pollution in Lower Danube Area	V.-M. Radu, E. Diacu, P. Ionescu, Gy. Deák
Assessment of Aquatic Environment Contamination with Heavy Metals from Abandoned Mines of Northwestern Romania	A.-M. Reșetar-Deac, E. Diacu
Lower Danube water quality assessment using heavy metals indexes	P. Ionescu, V.-M. Radu, Gy. Deák, A. A. Ivanov, E. Diacu
Voltammetric Techniques for Determination of Allura Red AC Synthetic Pigment in Beverages	E. Diacu, E.-M. Ungureanu, A. A. Ivanov, M.M. Jurcovan
Sediments as indicators of heavy metal contamination in the Lower Danube River	P. Ionescu, V.-M. Radu, E. Diacu

## Journal of Environmental Protection and Ecology - Impact Factor 0.734

Title	Authors
Health-Environment Relation: a Key Issue of Romanian Environmental Protection	Gy. Deak, V. Daescu, E. Holban, P. Marinescu, G.S. Tanase, R. Csergo, A.I. Daescu, S. Gaman
Decreasing nutrients concentration from aquatic environment using aquatic plants	V.-M. Radu, P. Ionescu, Gy. Deák
Ways to reduce CO <sub>2</sub> emissions and energetic consumption at Clinker producing under Romanian specific conditions	E. Holban, Gy. Deák, V. Daescu, E. Diacu, A. I. Daescu, G. S. Tanase, P. Marinescu, C. Sirbu, J. Paceagiu



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Plastics materials impact on environment and health. Population awareness in Romania	A.-M. Reșetar-Deac, Gy. Deák, , P. Marinescu, V. Dăescu, E. Holban, R. Csergo, G. Tănase, S. Găman
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## Romanian Biotechnological Letters - Impact Factor 0.404

Title	Authors
Antibiotic resistance markers among Gram-negative isolates from wastewater and receiving rivers in South Romania	F. Marinescu, L. Marutescu, I. Savin, V. Lazar

## Others - Impact Factor 0

Jurnal	Title	Authors
Section Renewable Energy Sources and Clean Technologies-SGEM 2015	Sustainable use of sludge in order to counteract the effects of global warming	A. M. Bors, I. Meghea, M. Mihaly, M.N. Badea
SGEM, Conference Proceedings – Hydrology and Water Resources	Evaluation of priority hazardous substances present in the sediments of the Lower Danube section using multivariate statistical analysis	V.-M. Radu, R. Szep, P. Ionescu, G. S. Tanase, S. Raischi
Proceedings of 15th International Multidisciplinary Scientific GeoConference SGEM 2015	Ecological assessment of Lower Danube River based on the ichthyofauna structure and composition	T. Danalache, R. Szep, A. Badilita, M. G. Boboc, S. Diaconescu



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## Int. Datab. Indexed Papers

Title	Journal	Authors
The study of an electric circuit of velocity-based electrodynamic energy harvesting device	Romanian Review Precision Mechanics, Optics & Mecatronics	D.Comeagă , M.Mîțiu, V. Gheorghe
Trajectory of inorganic contaminants in river systems in the mining areas of northwestern Romania	Advances in Environmental Sciences – International Journal of the Bioflux Society	A.-M. Anghel, E. Diacu, B. Petculescu
The Control of Mechanical Impedance Using an Electrodynamic Actuator	International Journal of Materials, Mechanics and Manufacturing (IJMMM)	D.Comeagă, M.Mîțiu, , O. Donțu
Soil quality variation in a cement plant in Romania	UPB Scientific Bulletin, Series B	E. Holban, E. Diacu, V. Daescu
La variabilité des précipitations et des Crues dans le bassin versant de la Șușița (Roumanie)	XXVIII colloque annuel de l'AIC, Liege, – Actes du Colloque	N., Ciobotaru, G., Deák.
Assessment of Water Quality in the Lakes Along Colentina River	Advanced Engineering Forum	P. Ionescu, V.-M. Radu, E. Diacu, E. Marcu
Selective recovery by solubilization of metals ions of chromium, iron and zinc from electroplating sludge to develop pigments for ceramics industry	The Annals Of “Dunarea De Jos” University Of Galati, Fascicle IX	Mărcuș I., Vlad M, Mîțiu I., Mîțiu M.A



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	METALLURGY AND MATERIALS SCIENCE	
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## Pres. at Int. Events

Title	Event	Authors
Removal of pollutants from wastewater using wastewater treatment installations type biological filters,	Macodesu 2015"1st International Conference on Sea and Coastal Development in the frame of Sustainability, Trabzon, Turkey.	M. Mincu, D. Cociorva, M. Mițiu, E. Diacu, F. Tobă
Research on the possibility of adapting existing treatment plants to remove items with fertilizer character from urban wastewaters"	International Conference "Ecology and Protection of Marine and Fresh Water Environments" – EcoProWater 2015, Viterbo, Italy	M. Mincu, A. Daescu, M.A. Mițiu, E. Diacu, F. Tobă
The use of constructed wetlands for treating wastewater household,	International Conference on Chemistry and Chemical Engineering (RICCCE). Sibiu, ROMANIA	M. Mincu, E. Diacu, M.A. Mițiu,
Numerical Simulation of the Danube Minor Riverbed Change in the Bala Branch – Old Danube Bifurcation Area	1 <sup>st</sup> International Conference on Ecology and Protection of Marine and Freshwater Environments – Viterbo, Italia	A.-F. Nicolae, M.C Raischi, F.-D. Dumitru, A.-M. Panait, P. L. Georgescu
Comparative Analysis Regarding the Influence of Hydraulic Structures on the Lower Danube Riverbed, through Numerical Simulation	Scientific Conference of Doctoral Schools from "Dunărea de Jos" University of Galați – Galați, România	A-F Nicolae, P. L. Georgescu, M. Olteanu, Gy Deák, M. G. Boboc





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The Impact of the Use of Alternative Fuels on the Pollutants Emissions in Cement Factories	19th Romanian International Conference on Chemistry and Chemical Engineering	E. Holban, E. Diacu, V. Daescu, Gy. Deák, A. I. Daescu
The importance of the Chilia Branch for protecting and conservation the anadromous migratory sturgeon	International Conference on „Sea and Coastal Development in the fame of Sustainability” (MACODESU), Trabzon, Turkey	T. Danalache, A. Badilita, M. Olteanu, Gy. Deak
Pollutant dispersion modeling in the Danube sector between Bala – Old Danube	1st International Conference on Sea and Coastal Development in the frame of Sustainability (MACODESU), Trabzon, Turkey	F. D. Dumitru, A. M. Panait, M. A. Moncea, T. Ghindă
Long-term performance of Geotextiles used for Danube river banks protection	1st International Conference on Sea and Coastal Development in the frame of Sustainability (MACODESU), Trabzon, Turkey	A. M. Panait, F. D. Dumitru, M. Olteanu, M. A. Moncea, G. Poteraş
Characterization of flue gases dust from secondary aluminium production for its recovery	XXIV International Materials Research Congress 2015 – IMRC 2015, Cancun, Mexic	M.V. Olteanu , Gy.Deák , E. Matei
The corrosion potential of the lakes located in the Black Sea coastal zone	1st International Conference on Sea and Coastal Development in the frame of Sustainability (MACODESU), Trabzon, Turkey	M. A. Moncea, A. M. Panait, F. D. Dumitru, G.Poteraş, Gy. Deák
Assessment of heavy metal levels in water, sediment and fish from Plumbuita Lake, Romania	1st International Conference on Ecology and Protection of Marine and Freshwater Environments, EcoProWater, Viterbo, Italia	P. Ionescu, V.-M. Radu, I. E. Ciobotaru, I.-F. Burlacu, E. Marcu
Sediments as indicators of heavy metal contamination in the lower Danube River	International U.A.B.–B.EN.A. Conference Environmental Engineering and Sustainable Development	P. Ionescu, V.-M. Radu, Gy. Deák, E. Diacu





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Evolution of the pollutant concentrations in the Lower Danube in the period 2013-2014	19th Romanian International Conference on Chemistry and Chemical Engineering, Sibiu, Romania	V.-M. Radu, P. Ionescu, E. Diacu
Assessment of heavy metals content in water and sediments from the lower Danube River using Ecoindex	International U.A.B.–B.EN.A. Conference Environmental Engineering and Sustainable Development	V.-M. Radu, A. A. Ivanov, Gy. Deák, E. Diacu, P. Ionescu
Chromium salts recovery and valorisation techniques from industrial sludge with complex chemical composition	Proceedeng book, International Conference on ECOLOGY and PROTECTION of MARINE and FRESHWATER ENVIRONMENTS (ECOPROWATER), Viterbo, Italy	M.I. Marcus , M. Vlad, M.A. Mitiu, I. Mitiu, F. Francisc
Recovery of heavy metals from electroplating sludge in order to reduce their harmfulness	THE 1ST INTERNATIONAL CONFERENCE on Sea and Coastal Development in the frame of Sustainability (MACODESU)	M.I. Marcus , M. Vlad, M.A. Mitiu, I. Mitiu, F. Francisc
Using the different types of activated carbon for removal of organics and heavy metals from wastewaters	CSA 2015 Joint International Conference “Environmental approaches – moving forward agricultural farm sustainability”, Iasi, Romania	I.M. Burlacu, E. Matei, M.Ilie, G. Ghiță, F. Marinescu, Gy. Deák
Ecological risk assessment of heavy metals in surface sediments from the Danube River	International Conference on Ecology and Protection of Marine and Freshwater environments, Viterbo, Italy.	M. Ilie, R. Szep, F. Marinescu, G. Ghita, Dy. Deák , A. Petrescu, A.M. Anghel, B. Uritescu, M. Raischi, I. Savin
Geoelectrical investigations carried out in the Divici-Pojejena wetland, Caraș-Severin County, Romania	EcoProWater 20151 st INTERNATIONAL CONFERENCE on Ecology and Protection of Marine and Freshwater environments., Viterbo, Italia	G., Badea, T., Lupei, C., Musat, A-M., Nicolescu
Modern Method Of Treating Hydrocarbons In Aqueous Media	International Conference on Ecology and Protection of Marine and Freshwater environments, Viterbo, Italy.	A. I. Daescu, L. Stoica, V. Daescu, C. Constantin, Gy. Deak



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Utilisation Of Biosurfactants In Green Chemistry	International Conference "Environmental Engineering and Sustainable Development" B.EN.A, Alba Iulia, Romania	A. I. Daescu, Gy. Deak, C. Constantin, E. Holban, V. Daescu
PERFORMANT TECHNOLOGY TO REMOVE ORGANIC POLLUTANTS, INORGANIC AND BACTERIOLOGICAL FROM WASTEWATER	Conference: International Conference on Sea and Coastal Development in the frame of Sustainability, Trabzon, Turkey	A. I. Daescu, V. Dăescu, E. Holban, Gy. Deak
MODERN METHOD OF TREATING HYDROCARBONS IN AQUEOUS MEDIA	International Conference on Ecology and Protection of Marine and Freshwater environments, Viterbo, Italy.	A. I. Daescu, L. Stoica, V. Daescu, C. Constantin, Gy. Deak
INFLUENCE OF THE HYDROCHEMICAL FACTORS ON THE STURGEON BEHAVIOR IN THE LOWER DANUBE RIVER	INTERNATIONAL CONFERENCE on Sea and Coastal Development in the frame of Sustainability "MACODESU 2015" B EN A, Trabzon, Turkey	M. Raischi, M.G. Boboc, L. Oprea, M. Ilie, N. Raischi
THE RETENTION OF Zn AND Pb USING THE ACTIVATED CARBON ADSORBENT OF DIFFERENT SIZE	8TH INTERNATIONAL SYMPOSIUM on Cement Based Materials for a Sustainable Agriculture, Iasi	I.F. Burlacu, E. Matei, M. Ilie, G. Ghita, F. Marinescu, Gy. deak
Statistical analysis of metals concentration in water and sediments in the lower part of the Danube River	B.EN.A. Conference – Environmental engineering and sustainable development	A.-M. Anghel, F. Marinescu, Gy. Deák, A. Petrescu, M. Ilie, G. Ghiță, M. Raischi
Statistical study of heavy metals concentration in surface water from northern part of the Satu Mare County, Romania	B.EN.A. EcoProWater 2015 – 1st International Conference on ECOLOGY and PROTECTION of MARINE and FRESHWATER ENVIRONMENTS, Viterbo, Italia	A.M. Anghel, Deak Gy., M. Ilie, F. Marinescu, G. Ghiță, E. Diacu, A. Petrescu, B. Uritescu



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Strategies for smart management of water and their national territorial impact for 2014-2020 period	International Conference on „Ecology and Protection of Marine and Freshwater Environments	Meghea A, Stefan S, Meghea I, Bors A
Sustainable use of sludge in order to counteract the effects of global warming	Section Renewable Energy Sources and Clean Technologies- SGEM 2015	A. M. Bors, I. Meghea, M. Mihaly, M.N. Badea
Uranium mining production as ranging strategic mining company /Producția minieră uraniferă ca variabilă strategică în întreprinderea extractivă	The Sixth Balkan mining Congress, Petrosani, Romania	M. Gâf-Deac, M. Valeca, E.-C. Bulz, I.I. Gâf-Deac, A. Nicolae, A. Bărbulescu, A.-M. Anghel,
Assessment of Nutrients-Chlorophyll a relationship in the Lower Danube River	International Conference “Sea and Coastal Development in the frame of Sustainability”, Turkey	M. Ilie, F. Marinescu, G. Ghita, Gy. Deák, A. Petrescu, A. M. Anghel, I. Savin, B. Uritescu, I. F. Burlacu, M. Raischi