FISA PRIVIND RAPORTAREA LA STANDARDELE MINIMALE PE DOMENII

FIŞA DE VERIFICARE a îndeplinirii standardelor naționale în vigoare, domeniul Știința Mediului, Comisia Ştiinţele Pământului, conform OMECTS nr. 6129 din 20 decembrie 2016

Criteriul 1. Articole științifice

NT	Numarul total de articole în reviste ISI ca autor principal (Minim 5 WoS + 3 BDI, AIS cumulat > = 3,5)	AIS la data publicării§
1.	Rambu A.P., Nadejde C., Schneider R.J., **Neamtu M.*** (2017) Thin films containing oxalate-capped iron oxide nanomaterials deposited on glass substrate for fast Fenton degradation of some micropollutants, *Environmental Science and Pollution Research*, DOI: 10.1007/s11356-017-1022-y (F. I. = 2.741).	**0.579**
2.	Nadejde C., **Neamtu M*.**, Hodoroaba V.-D., Schneider R.J., Ababei G., Panne U. (2016). Hybrid iron-based core-shell magnetic catalysts for fast degradation of bisphenol A in aqueous systems, *Chemical Engineering Journal*, 302, 587-594 (F. I. = 6,216)	**1.069**
3.	**Neamțu M.***, Macaev F., Boldescu V., Hodoroaba V.-D., Nadejde C., Schneider R. J., Paul A., Ababei G., Panne U., (2016). Removal of pollutants by the new Fenton-like highly active catalysts containing an imidazolium salt and a Schiff base*, Applied Catalysis B: Environmental,* 183, 335-342 (F. I. = 9,446).	**1.589**
4.	Nadejde C., **Neamțu M.***, Hodoroaba V.-D., Schneider R.J., Paul A., Ababei G., Panne U. (2015). Tannic acid and natural organic matter coated magnetite as green Fenton-like catalysts for the removal of water pollutants. *Journal of Nanoparticle Research,* 17, 476 (F. I. = 2,02).	**0.529**
5.	Nadejde C., **Neamțu M.***, Hodoroaba V.-D., Schneider R.J., Paul A., Ababei G., Panne U. (2015). Green Fenton-like magnetic nanocatalysts: synthesis, characterization and catalytic application, *Applied Catalysis B: Environmental*, 176, 667–677, 2015 (F. I. = 9,446)	**1.508**
6.	Nădejde C., **Neamțu M.***, Creangă D. (2015). Environment-friendly magnetic fluids for wastewater remediation – synthesis and characterization. *Acta Physica Polonica A,* 127 (2), 647-649, 2015, (F. I. = 0,469)	**0.113**
7.	Nadejde C., **Neamțu M.***, Schneider R.J., Hodoroaba V.-D., Ababei G., Panne U. (2015). Catalytical degradation of relevant pollutants from waters using magnetic nanocatalysts, *Applied Surface Science*, 352, 42-48. (F. I. = 3.387)	**0.574**
8.	**Neamțu M.***, Grandjean D., Sienkiewicz A., Le Faucheur S., Slaveykova V., Velez Colmenares J., Pulgarín C., De Alencastro F. L. (2014) Degradation pathways of eight relevant micropollutants in different water matrices under exposure to UV_{254}, simulated solar light irradiation and neutral photo-Fenton process – a comparative study**,** *Applied Catalysis B: Environmental*, 158-159, 30-37 (F. I. = 9,446)	**1.477**
9.	Volf I., Ignat I., **Neamtu M.*,** Popa V. (2014) Thermal stability and photooxidation of natural polyphenols, *Chemical Papers*, 68 (1) 121–129 (F. I. = 1,258)	**0.214**
10.	**Neamtu M.***, Bobu M., Kettrup A., Siminiceanu I. (2013) Ozone photolysis of paracetamol aqueous solution. *Journal of Environmental Science and Health, Part A,* 48 (10), 1264–1271. (F. I. = 1,425)	**0.289**
11.	**Neamtu M**.*, Ciumasu I. M., Costica N., Costica M., Bobu M., Nicoara M. N., Catrinescu C., Becker van Slooten K., De Alencastro L. F. (2009) Chemical, biological and ecotoxicological assessment of pesticides and persistent organic pollutants in Bahlui River, Romania, *Environmental Science and Pollution Research*, 16, S76-S85 (F. I. = 2,741)	**0.579**
12.	**Neamtu M.***, Popa D. M., Frimmel F. H. (2009) Simulated solar UV-irradiation of endocrine disrupting chemical octylphenol, *Journal of Hazardous Materials*, 164, 1561-1567 (F. I. = 6,065)	**0.772**
13.	**Neamtu M.*,** Frimmel F. H. (2006) Degradation of endocrine disrupting Bisphenol A by 254 nm irradiation in different water matrices and effect on yeast cells", *Water Research*, 40, 3745-3750 (F. I. =6,942)	**1.0**
14.	**Neamtu M.***, Frimmel, F. H. (2006) Photodegradation of endocrine disrupting chemical nonylphenol by simulated solar UV-irradiation", *Science of the Total Environment* 369 (1-3), 295-306 (F. I. = 4,90)	**0.9**

15.	**Neamtu M.*,** Catrinescu C., Kettrup A. (2004) Effect of dealumination of iron (III) - exchanged Y zeolites on oxidation of reactive yellow 84 azo dye in the presence of hydrogen peroxide, *Applied Catalysis: Environmental*, 51, 149-157 (F. I. = 9,446).	**1.6**
16.	**Neamtu M.***, Zaharia C., Catrinescu C., Yediler A., Macoveanu M., Kettrup A. (2004) Fe-exchanged Y zeolite as catalyst for wet oxidation of Procion Marine H-EXL azo dye", *Applied Catalysis: Environmental* 48, 287-294 (F. I. = 9,446).	**1.6**
17.	**Neamtu M.***, Yediler A., Siminiceanu I., Macoveanu M., Kettrup A. (2004) Decolorization of Disperse Red 354 azo dye in water by several oxidation processes – a comparative study, *Dyes and Pigments*, 60, 61-68 (F. I. = 3,473).	**0.4**
18.	**Neamtu M.***, Yediler A., Siminiceanu I., Kettrup A. (2003) Oxidation of commercial reactive azo dye aqueous solutions by the photo-Fenton and Fenton-like processes, *Journal of Photochemistry and Photobiology A: Chemistry*, 161 (1), 87-93 (F. I. = 2,625).	**0.6**
19.	**Neamtu M.***, Siminiceanu I., Yediler A., Kettrup A., (2002) Kinetics of decolorization and mineralization of reactive azo dyes in aqueous solution by UV/H_2O_2 oxidation, *Dyes and Pigments*, 53, 93-99 (F. I. = 3,473).	**0.2**
20.	**Neamtu, M.*,** Siminiceanu I., Kettrup A. (2000) Kinetics of Nitromusk Compounds Degradation in Water by Ultraviolet Radiation and Hydrogen Peroxide", *Chemosphere*, 40(12), 1407-1410 (F. I. = 4,208)	**0.5**
21.	**Neamtu, M.***, Yediler A., Siminiceanu I., Macoveanu K., Kettrup A., (2000) Photodegradation of reactive yellow 84 azo-dye in aqueous solution, *Toxicological and Environmental Chemistry,* vol.78, 31-40 (F. I. = 0,795)	
22.	**Neamtu M.,** Sminiceanu I. (1999) Tratarea abiotică a apei: cinetica fotolizei moscurilor cu radiaţii ultraviolete în prezenţa peroxidului de hidrogen" (II) *Rev. Chim.*, 50(7), 545-553 (F. I. = 1,232).	**0.01**
23.	**Neamtu M.,** Sminiceanu I. (1998) Tratarea abiotică a apei: cinetica fotolizei moscurilor cu radiaţii ultraviolete în prezenţa peroxidului de hidrogen" (I), *Rev. Chim.*, 49(11), 745-750 (F. I. = 1,232).	**0.01**
	**autor corespondent*	
AIS cumulat (autor principal)		**16.112**

§conform WoS (prezent – 2007) si Eigenfactor.org (1997-2007)

Criteriul 2. Vizibilitatea articolelor științifice

Indicele Hirsch WoS (minim 4, fără autocitări)

h12

Criteriul 3. Capacitatea de susținere a activitățiilor de cercetare

Nr	Minim (Director/Lider de proiect/grant în 2 proiecte/granturi naţionale sau responsabil de proiect/grant în 3 proiecte/granturi de cercetare naţionale sau B.: Director/Lider la 1 proiect/grant internaţional sau responsabil de proiect/grant în 2 proiecte/granturi de cercetare internaţionale; valoare minimă 100000 RON sau echivalent în euro)
1.	*Ministerul Educaţiei şi Cercetării, Grant CNCS PN-II-ID-PCE-2012-4-0477, "Catalytical and photocatalytical removal of endocrine disrupting compounds (EDCs) from waters". 1.308.084,75 RON.* ***Director de proiect****.*
2.	*Grant Romano-Elveţian, finanţat de Swiss National Science Foundation (SNSF), ESTROM. IB6120-106996-POPASS. 2005-2007. Tema: "Chemical, Biological and Ecotoxicological Assessment of the Bahlui River, in North-Eastern Romania. Case Study: Pesticides and Persistent Organic Pollutants (POPs)" (acronimul roiectului POPIASI). 45500 CHF (103.285 RON),* ***Director de proiect***
3.	*Grant PC-D06-PT00-839, CEEX, 2005-2008. "Centru de expertiza pentru explotarea durabila a ecosistemelor (CEXDUREC). Studiu de caz: ecosisteme terestre si acvatice peri-urbane din bazinul râului Ciric, de la nord de municipiul Iaşi", 204000 RON,* ***Responsabil ştiinţific de proiect pentru echipa UTI.***
4.	*Proiect european EVK1-CT-2001-50008, 2002-2004. Tema: "Concepts and methodologies to minimize the environmental impact from wastewater – textile industry, a case study". 147400 Euro (537052 RON),* ***Director de proiect***

Îndeplinirea standardelor minimale ale Ministerului Educației, Cercetării, Tineretului și Sportului

Indicatori de performanţă		Nr. puncte candidat	Nr. puncte minime
Criteriul 1	**Numărul total de articole în reviste ISI ca autor principal**	23	8
	AIS cumulat (autor principal)	16.112	3.5
Criteriul 2	**Indicele Hirsch**	12	4
Criteriul 3	**Proiecte de cercetare**	2/2	Director 1 international sau 2 national

Standardele minimale sunt îndeplinite.

CS I, dr. ing. Mariana Neamtu