

1. Informații personale:

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Poziția academică actuală: Cercetător Științific I (Departamentul Interdisciplinar de Științe, Universitatea “Alexandru Ioan Cuza” din Iași, România)

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2. Studii:

1993 – 1997 – Studii doctorale, Universitatea Tehnică “Gheorghe Asachi” din Iași

1988 – 1993 – Licență, Facultatea de Chimie, Universitatea de Stat din Moldova, Republica Moldova

3. Publicații relevante:

1. 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.
2. Neamtu 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.
3. Nadejde C., Neamtu 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
4. Neamtu 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 UV₂₅₄, simulated solar light irradiation and neutral photo-Fenton process – a comparative study, *Applied Catalysis B: Environmental*, 158-159, 30-37
5. 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
6. Tercero Espinoza, L.A., Neamtu M., Frimmel F. H. (2007) The effect of nitrate, Fe(III) and bicarbonate on the degradation of bisphenol A by simulated solar UV-irradiation, *Water Research*, 41, 4479-4487
7. 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
8. 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.

9. Neamtu, M., Siminiceanu I., Yediler A., Kettrup A., (2002) Kinetics of decolorization and mineralization of reactive azo dyes in aqueous solution by UV/H₂O₂ oxidation, *Dyes and Pigments*, 53, 93-99.
10. 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

4. **Domenii de interes:**

Monitorizarea poluanților organici în mediu, Procedee de Oxidare Avansată, Fotochimie, Metode de analiză cromatografică

CS I, dr. Mariana Neamțu