Name SURNAME: Tanţa-Verona IORDACHE			
Function:	Scientific Researcher 2nd degree and vice-leader of **APM&PR Group, INCDCP-ICECHIM**		
Institution:	National Research and Development Institute for Chemistry and Pertrochemistry ICECHIM, **INCDCP-ICECHIM** (www.icechim.ro)	□ UEFISCDI □ Simona Stoian	
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Division	Advanced Polymer Materials and Polymer Recycling Group **APM&PR Group**		

Areas of Expertise:

Fundamental and applied research with regarding new products and technologies, that consider the following directions: **(i)** reaction mechanisms, kinetics, **molecular imprinting strategies**; **(ii)** bioresources capitalization; **(iii) nanosciences and nanomaterials**; **(iv) environmental protection** and sustainable management of resources; **(v)** increasing competitiveness of industrial products. **Research contributions** in the main field of expertise refer to ingenuous synthesis approaches for molecularly imprinted polymers (**MIPs**) via wet phase inversion, suspension, emulsion/ microemulsion, dispersion and bulk polymerisation, and sol-gel techniques to obtain various formats of materials (microspheres, nanoparticles, irregular shaped particles, pearls, membranes, thin films) with tailored properties for various applications in pharmacology and analytical chemistry (e.g. as sorbents for solid-phase extraction of bioactive compounds and as sensor layers for explosives and illicit drugs).

Short Description of your Institution:

ICECHIM is a renown public institution from Bucharest, Romania with excellent achievements in the last 10 years e.g. over 100 research projects (FP6, FP7, H2020, ERA.NETs, National and Structural projects), over 150 published articles in ISI Journals, over 20 Patents (3 EPO) and so on. ICECHIM was recently equipped with state-of-the-art research facilities including chromatographers (HPLC), environmental scanning electron microscope (ESEM) that can perform at ambient conditions, particle size and Zeta potential measurement by dynamic light scattering (DLS), spectroscopes (FTIR with ATR unit and UV-Vis that can measure optical features of thin polymer layers), simultaneous thermal analyzer and differential scanning calorimeter with mass spectroscopy (TGA-MS/DSC), dynamic mechanical analyzer (DMA), transmission electron crio-microscope (TEM/STEM), X-ray diffractometer (XRD/GIXRD with SAX/USAX module), porosity analyzer with nitrogen gas (BET). See infrastructure at http://erris.gov.ro/Circular-Bioeconomy, http://erris.gov.ro/Heterogeneous_Systems and http://erris.gov.ro/ADVANCED-MATERIALS.

This particular **APM&PR Group** has a wide experience within materials science; managing or co-managing national projects (e.g. European FP6 projects, EraNET JPR projects and bilateral projects) aiming innovative materials development for various applications. The wastewater treatment field was also considered within the APM&PR Group strategy for creating interdisciplinary connexions. Therefore, it was engaged within 5 national projects and a Black-Sea Era.NET international cooperation, regarding water pollutants and 1 M-ERA.NET2-Cofund (2017-2020). The portfolio of APM&PR team regarding projects outcomes in the last 10 years extends to over 300 scientific communications (at various symposia, conferences or seminars), over 50 ISI publications, and 7 patents (from which 1 EPO) and 12 patent claims awarded with gold/silver medals at various dedicated events.

Role in the project:

Principal Investigator from ICECHIM-the Coordinating Organisation (CO-P1) of "ProWsper" Project

Date, 20.03.2017