

## CURRICULUM VITAE



**1. Name and surname:** OVIDIU OPREA

**2. Date and place of birth:** 1973, Bucharest

**3. Education:** Chemist, graduate University of Bucharest 1996

**4. Name and address of employer:** University POLITEHNICA of Bucharest, Splaiul Independentei 313, Bucharest

**5. Function:** PhD, Professor, Inorganic Chemistry, Physical Chemistry and Electrochemistry Department, University POLITEHNICA of Bucharest since 2013

### **6. Education and training**

- **PhD in Chemical Engineering** since 2008, University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science;

- **Postdoctoral studies:** Postdoctoral advanced research program in the field of nanomaterials NANOMAT POSDRU ID 54785, with the subject „Cd-free quantum dots – new agents for in vivo imagistics and cancer therapy”

**7. Professional experience:** Synthesis and characterization of new compounds with biomedical and technical applications. Controlling the shape and size of nanoparticles to tailor the biological properties (antimicrobial activity, biocompatibility, antitumor activity etc.). Chemical modification of the surface for intelligent drug delivery systems.

Modern instrumental techniques of characterization: complex thermal analysis, UV-Vis and fluorescence spectroscopy, X-ray diffraction, electronic microscopy.

The main research domains are biomaterials, nanomaterials and nanotechnologies, nonconventional synthesis methods of oxide nanoparticles.

**8. Experience in other national / international projects:** was manager of five national multiannual research projects and was part of research team in more than 50 national and international research projects.

**9. Publications:** 5 books, +160 articles (150 in ISI journals), 6 Romanian patent applications, participation in more than 40 international conferences, more than 1400 citations, Hirsh Index 22.