

I. PhD Thesis

Simona Popescu *Films minces de dioxyde de titane déposés sur titane par MOCVD: microstructure et biocompatibilité*, Co-tutella thesis between Politehnica University of Bucharest (coordinator: prof. Ioana Demetrescu) and Institute National Polytechnique de Toulouse (coordinator: prof. Alain Gleizes), defended at Toulouse, France, nov. **2008**

II. Published books

1. Ileana Rău, **Simona Andreia Popescu**, *General Chemistry*, Editura Printech, București, ISBN 978-606-521-240-4, 112 pages, **2009**.
2. Ioana Demetrescu, Stefan Perisanu, **Simona Popescu** *Experiments of General Chemistry*, with scientific reviewers, Publishing House: Politehnica Press, ISBN 978-606-515-013-3, **2009**

III. Patents

1. Patent **OSIM** nr. 127065/ 30.09.2016, “*Filme polimerice cu umectabilitate controlata si procedeu de acoperire a suprafetelor de titan cu astfel de filme*” Authors: I. Demetrescu, C. Pirvu, **S. Popescu**, M. Mindroiu, C. Manole
2. Patent **OSIM** nr. 130771 / 30.10.2017, “*Procedeu de imbunatatire a aderentei filmelor polimerice pe substrat de titan*” Authors: C. Pirvu and S. Popescu
3. Patent application nr. A/2013 00252, **OSIM** “*Acoperiri polimerice cu efect antifouling pe baza de polipirol dopat cu polistiren sulfonat*” Authors: C. Pirvu, M. Mindroiu, S. Popescu.
4. Patent application nr. A/2017 00757, **OSIM** “*Procedeu de imbunatatire a activitatii antibacteriene a suprafetelor de aliaj de titan prin nanostructurare si decorare cu nanoparticule de CeO₂*” Authors: C. Pirvu, S. Popescu, C. Dumitriu, C. Ungureanu, M. Mindroiu.