

Curriculum Vitae

1. **Last Name:** Trică
2. **First Name:** Bogdan
3. **Date and Place of Birth:** 14.12.1989, Bucucharest
4. **Citizenship:** Romanian
5. **Education:**

Institution	Period	Degrees or diplomas
University Polytechnica of Bucharest - Faculty of Applied Chemistry and Materials Engineering	2015-present	PhD (in progress)
Double diploma between the University Polytechnica of Bucharest - Faculty of Applied Chemistry and Materials Engineering - Chemical Processes and National Eccles of Higher Chemistry of Clermont-Ferrand (currently Sigma Clermont), Blaise Pascal University (now Université Clermont Auvergne)	2012-2014	Master
University Politehnica of Bucharest, Faculty of Engineering in Foreign Languages – Chemical Engineering	2008 - 2012	Diploma Engineer

6. Professional experience:

Institution	Period	Position
INCDCP-ICECHIM	Mar. 2017 - Prezent	Scientific Researcher
INCDCP-ICECHIM	Jan. 2015 – Feb. 2017	Assistant Researcher
MARS Petcare Germania	April – October 2014	Trainee
INCDTP, București	June – September 2011	Trainee

7. Foreign Languages: english (C1), french (B2), german (A1)

8. Publishing (if any, max. 5, the most relevant ones for the future activities of the project infrastructure):

1. Caprarescu, S., Ianchis, R., Radu, A.L., Sarbu, A., Somoghi, R., **Trică, B.**, Alexandrescu, E., Spataru C. I., Fierascu, R. C., Ion-Ebrasu, D., Preda, S., Atanase, L.I., Donescu, D., Synthesis, characterization and efficiency of new organically modified montmorillonite polyethersulfone membranes for removal of zinc ions from wastewasters. Applied Clay Science, 2017. 137: p. 135-142.
2. Petcu, C., Purcar, V., Ianchis, R., Spataru, C.I., Ghiurea, M., Nicolae, C.A., Stroescu, H., Atanase, L.I., Frone, A.N., **Trică, B.**, Donescu, D., Synthesis and characterization of polymer-silica hybrid latexes and sol-gel-derived films. Applied Surface Science, 2016. 389: p. 666-672.
3. Spataru, C.I., Ianchis, R., Petcu, C., Nistor, L.C., Purcar, V., **Trică, B.**, Nitu, S.G., Somoghi, R., Alexandrescu, E., Oancea, F., Donescu, D., Synthesis of Non-Toxic Silica Particles Stabilized by Molecular Complex Oleic-Acid/Sodium Oleate. International Journal of Molecular Sciences, 2016. 17(11).

9. Other Specializations and Qualifications:

September 2015 Tecnai Basic Course on TECNAI™ G2 F20 TWIN Crio-TEM, at the FEI NanoPort in Eindhoven, the Netherlands;

October 2015 Electron Tomography Course on TECNAI™ G2 F20 TWIN Crio-TEM, at the FEI NanoPort in Eindhoven, the Netherlands;

10. Experience (including managerial experience) in other national/international programmes/projects:

Programme/Project	Position	Period
PED/ "Materiale noi ZnO-nanostructurate și împotriva depunerilor de gheață obținute prin metode «ecofriendly»" (NOCORIC)	Project Member	2017-2018
PED/ "Optimizarea și validarea unui material avansat și a tehnologiei aferente pe baza de biopolimer-argila modificată ca și purtător de doxorubicina pentru eliberarea controlată în tractul gastrointestinal" (DoxSaClay)	Project Member	2017-2018
PED/ "Materiale apatitice inovatoare cu activitate antimicrobiană ridicată pentru materiale de construcții și conservarea patrimoniului cultural", (HAPENGCULT)	Project Member	2017-2018

11. Research areas and topics approached in the developed project infrastructure:

- Wet pet food raw materials via the chemical setting reaction of sodium alginate with calcium
- Degradation of dyes in UV light, in the presence of titanium dioxide nanoparticles
- Extraction and fractionation of proteins from Phorphyridium Cruentum by ultrafiltration

I hereby state on my own responsibility that the data presented is accurate.

Date: 15.05.2017