Professor George Tzvetkov

Sofia University “St. Kliment Ohridski,

Faculty of Chemistry and Pharmacy

Department : Inorganic Chemistry

Room: 328

1164 Sofia, 1 James Bourchier Blvd., Bulgaria

Tel: +359 2 8161 216

e-mail: nhgtz@chem.uni-sofia.bg

SCOPUS ID: 6601978995

ORCID ID : 0000-0003-3869-731X

https://www.researchgate.net/profile/George-Tzvetkov

Education

2017 – D. Sc., Inorganic Chemistry, Sofia University

2001 – Ph. D, Inorganic Chemistry, Sofia University

1997 – M. Sc., Inorganic Chemistry, Sofia University

Professional Development

2009 – Associated Professor, Sofia University

2019 – Full Professor, Sofia University

Internships

2001 – 2005 – KFU Graz, Experimental Physics, postdoc.

2005 – 2008 – FAU Erlangen-Nuernberg, Physical Chemistry, postdoc.

2008 – 2009 – PSI, Switzerland, scientific officer.

Scientific interests

Functional materials, Surfaces, Structure-properties

Selected publications (up to 5)

- G. Tzvetkov, M. Tsvetkov, T. Spassov, **Facile preparation of edelweiss-like ZnO microparticles with strong UV-violet emission**, *Vacuum*, vol:192, 2021, 110457.
- G. Tzvetkov, N. Kaneva, T. Spassov, **Room-temperature fabrication of core-shell nano-ZnO/pollen grain biocomposite for adsorptive removal of organic dye from water**, *Applied Surface Science*, vol:400, 2017, 481-491.

- G. Tzvetkov, F.P. Netzer, **Synchrotron x-ray photoemission study of soft x-ray processed ultrathin glycine-water ice films**, *Journal of Chemical Physics,* vol:134, 2011, 204704.
- G. Tzvetkov, R.H. Fink, **Temperature-dependent X-ray microspectroscopy of phase-change core-shell microcapsules**, *Scripta Materialia*, vol :59, 2008, 348-351.
- G. Tzvetkov, M.G. Ramsey, F.P. Netzer, **Interaction of glycine with ice nanolayers**, *Chemical Physics Letters*, vol:397, 2004, 392-396.

Project activity – (research projects in the last 5 years)

- Project BG05M2OP001-1.002-0023 of the Operational Programme ”Science and Education for Smart Growth”.
- NextGenerationEU through the National Recovery and Resilience Plan of the Republic of Bulgaria, project no. BG-RRP-2.004-0008.
- Project CoE “National Center of Mechatronics and Clean Technologies” (BG05M2OP001-1.001-0008).

Teaching activity

Lectures in General and Inorganic Chemistry