

European CV format



PERSONAL INFORMATION

Name

GUTZOV, STOYAN IVANOV

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sgutzov@chem.uni-sofia.bg

Date of birth

6 OCTOBER 1964, SOFIA, BULGARIA

RECENT WORK EXPERIENCE

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

2005 – 2014

Sofia University “St. Kliment Ohridski”
University / R&D

Associate Professor

Teaching; fundamental and applied research; management of research contracts

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

2015 -

Sofia University “St. Kliment Ohridski”
Faculty of Chemistry and Pharmacy, 1 James Bourchier Blvd., 1164 Sofia, Bulgaria
University / R&D

2015 Professor ; 2016 – HEAD OF DEPARTMENT OF PHYSICAL CHEMISTRY

Teaching; fundamental and applied research; management of research contracts

LAST EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organization
- Principal subjects/occupational skills covered
- Title of qualification awarded

1991 - 1995

Sofia University “St. Kliment Ohridski”, Faculty of Chemistry

PhD Degree in physical chemistry & materials science after a defence of a thesis “Preparation, structure and properties of doped tin and zirconium oxides”

1996 PhD in Chemistry

SOCIAL SKILLS

AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

SPECIALIZATIONS ABROAD:

1992-1993: OAAD GRANT, UNIVERSITY OF VIENNA, AUSTRIA

1994-1995: DAAD UNIVERSITY OF COLOGNE, GERMANY

1998-2000 ROMAN HERZOG GRANT (AVH FOUNDATION) UNIVERSITY OF WÜRZBURG, GERMANY

2000-2001 VISITING PROFESSOR, FH MÜNSTER, GERMANY

2002-2003 VISITING SCIENTIST, TU BERLIN, GERMANY

2006-2007 VISITING PROFESSOR, TU BRAUNSCHWEIG, GERMANY

ORGANISATIONAL SKILLS

AND COMPETENCES

Coordination and administration of

Head of Laboratory of Functional Optical Materials, (2006 - 2012); and Functional colloids and surfaces (2012 – till now). Supervisor of research projects (NSFB, FP7). Participation in international (FP6, FP7) projects as a group leader.

people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

Projects: FP7 EFFiHEAT SME-2011-1 No 286814; NFSB DTK 0226 / 2009; NFSB BYX 08 / 2005

TECHNICAL SKILLS
AND COMPETENCES
With computers, specific kinds of
equipment, machinery, etc.

**SMART OPTICAL MATERIALS . SOL-GEL CHEMISTRY. AEROGELS.
PHYSICAL CHEMISTRY.**

OTHER SKILLS
and competences

Teaching of Physical Chemistry (I and II), Ceramic materials, Optical materials in **Bulgarian** and **German**.

SCIENTIFIC PUBLICATIONS

>45 publications, >40 scientific conferences, >300 citations in literature; 2 patents (BG), 1 useful model, **H-index = 11 (SCOPUS)**; 2 PhD students, 2 MSc students, 3BSc Students.

Representative new publications

1. N. Petkova, S. Dlugocz, S. Gutzov, Preparation and optical properties of transparent zirconia sol-gel materials, *J. Non Cryst Solids* **357** (2011) 1547-1551. N. Petkova, S. Dlugocz, S. Gutzov, Preparation and optical properties of transparent zirconia sol-gel materials, *J. Non Cryst Solids* **357** (2011) 1547-1551.
2. N. Petkova, S. Gutzov, N. Lesev, S. Kaloyanova, S. Stoyanov, T. Deligeorgiev, Preparation and optical properties of silica gels doped with a new Eu(III) complex, *Optical Materials* **33** (2011) 1715–1720.
3. I. Georgieva, N. Danchova, S. Gutzov, N. Trendafilova, DFT modeling, UV-Vis and IR spectroscopic study of acetylacetone-modified zirconia sol-gel materials, *J Mol Model.* (2012). 18(6):2409-22
4. N. Danchova, S. Gutzov, Time evolution of samarium doped silica sol–gel materials followed by optical spectroscopy, *J Sol-Gel Sci Technol*, **66** (2013) 248-252.
5. N. Danchova, S. Gutzov, K. Matras-Postolek, M. Bredol, N. Lesev, S. Kaloyanova, T. Deligeorgiev, "Preparation and optical properties of silica sol-gel microparticles functionalized with [Eu(ntac)₃][pphendcn] and [Eu(phen)₂](NO₃)₃ complexes", *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **78** (2014) 381-386.
6. N. Danchova and S. Gutzov, Functionalization of Sol-Gel Zirconia Composites with Europium Complexes, *Z. Naturforsch.* (2014), *69b*, 224 – 230, doi:10.5560/ZNB.2014-3261.
7. S. Gutzov, J. Missirian, N. Danchova, S. Stoyanov, Preparation and optical properties of functionalized zirconia - silica xerogels displaying a multicolor emission at UV excitation, *J Sol-Gel Sci Technol* **77** (2016) 342-347.

8. S. Gutzov, N. Danchova, R. Kirilova, V. Petrov, S. Yordanova, Preparation and luminescence of silica aerogel composites containing an europium (III) phenanthroline nitrate complex, *Journal of Luminescence* **183** (2017) 108–112.