



PERSONAL INFORMATION **Albert Paul Soran**


 Faculty of Chemistry and Chemical Engineering, Department of Chemistry
 Arany Janos St., No.11, Cluj-Napoca, RO-400028
 +40-264.593.833/ext. 5745

 [albert.soran\(at\)ubbcluj.ro](mailto:albert.soran(at)ubbcluj.ro)
http://www.chem.ubbcluj.ro/~ccsoom/organometallic/albert_.html


Sex Male | Date of birth 21/01/1979 | Nationality Romanian

WORK EXPERIENCE

Feb.2022-present	Associate professor Teaching and research (inorganic chemistry course, radiochemistry, advanced organometallic chemistry) Babes-Bolyai University Higher education
Oct. 2013 – Feb.2022	Lecturer Teaching and research (inorganic chemistry course, chemistry of oxides course, general and inorganic chemistry laboratories and seminars at bachelor level) Babes-Bolyai University Higher education
Nov. 2007 - present	Crystallographer at the National Centre for X-ray diffraction (CNDRX) at Babes-Bolyai University Recording, solving and refining single crystal X ray data
Feb. 2008 – Oct.2013	Teaching assistant Teaching and research (inorganic chemistry course, chemistry of oxides course, general and inorganic chemistry laboratories and seminars at bachelor level) Babes-Bolyai University Higher education
Nov. 2007-Feb. 2008	Scientific researcher Research in organometallic chemistry Babes-Bolyai University Higher education
Oct. 2003-Oct. 2004	Research assistant, part-time Research in organometallic chemistry Babes-Bolyai University Higher education

EDUCATION AND TRAINING

EDUCATION

Oct.2002-Nov.2007	PhD in Chemistry diploma 2008 Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University	8EQF
Oct.2001-Jun.2002	Master of Science in <i>Applied inorganic and coordinative chemistry</i> Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University	7EQF
Oct.1997-Jun.2001	Bachelor of Science in <i>Chemistry</i> Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University	6EQF
Sept.1993-Jun.1997	Baccalaureate Diploma "Gheorghe Şincai" high-school, Baia Mare	4EQF

High school studies

TRAININGS

Aug. 31-2 Sept. 2023	Training course - Presentation Skills – Euroexam International, Cluj-Napoca
April 11-14 2022	Level 2 course – Radiological protection in domains RDG/RDT/SD - specialities MN, RTT, AASD, RAD, AC Rad Medical (online)
Sept. 5-9 2022	Training course - TAWS - Teaching Academic Writing Skills – Euroexam International, Cluj-Napoca
Aug. 31 – 2 Sept. 2022	Training course - ATS - Advanced Academic Teaching Skills – Euroexam International, Cluj-Napoca
July 4-10 2021	6 th European Crystallographic School, Budapest, Hungary (online)
Sept. 10-13 2019	2 nd CHAOS Training School, C-H Activation in Organic Synthesis, Athens, Greece
25-29.03.2019	Level 1 course on radiological protection for work with ionizing radiation, National Institute for R&D ‘Horia Hulubei’ for Physics and Nuclear Engineering
29.01-01.02.2019	Bruker Advanced crystallography training, Cluj-Napoca
25.11.2011-36.05.2012	Refresher course, Babes Bolyai University, Faculty of Psychology and Education sciences BBU responsible, Prof. Adrian Opre (POSDRU/57/1.3/S/26646 project ‘Continuing education, through blended learning for university teaching staff’)
Oct. 8-11 2007	Bruker AXS BV, Oostsingel 209, 2612 HL Delft, Holland

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	B2	C1
CAE Cambridge certificate					
French	B1	B1	A2	A2	A2
German	A1	A2	A1	A1	A1
Hungarian	B1	A2	A2	A2	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

Good communication skills and ability to work in a team gained through the scientific collaborations with research teams from Romania and abroad

Organizational / managerial skills

- Competence in Investment Area: preparation of tender books and analysis of quotations for equipment, office/laboratory furniture, setting up and renovation of office or laboratory areas within several didactical/research projects. Design and preparation of blueprints for refurbishment of various working spaces (laboratories no. 98, 119, 270, 102, 103, radiochemistry laboratory (Faculty of Chemistry and Chemical Engineering), 72 (“Raluca Ripan” Institute of Chemistry).
- Analysis of quotations for laboratory glassware and supplies, equipment as well as track of spending and acquisitions for the projects in charge as director or as team member.

Job-related skills

- Technical and problem-solving skills, experience in X-ray crystallography, use of various spectroscopic techniques as tools for scientific research (UV-VIS, IR, MS, NMR), synthesis of organic / inorganic / organometallic / coordination compounds, separation techniques including TLC and column chromatography in inert / controlled atmosphere
- experience in operating Bruker and Varian NMR spectrometers, Smart Apex and D8 Venture single-crystal diffractometers (over 500 measured structures)
- maintenance of equipment within the National Centre for X-ray Diffraction and research labs

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Good use of Microsoft Office suite, basic graphical handling, good use of specific chemistry related software (Xcalibur, MestreNova, Diamond, Apex4, ShelXle, ChemDraw etc.), databases CSD, COD, SciFinder, Reaxys)

Other skills

- Experience in spectacular chemistry demonstrations for small / large audience irrespective of age.
- Coordinator as volunteer of BASF ChemGeneration program at BBU Cluj Napoca during 2018-2019
- Teaching tutor expert within ROSE projects for preventing dropout within university students

ADDITIONAL INFORMATION

Publications

ResearcherID [A-4027-2010](#) Orcid ID [0000-0002-7710-7776](#)
 Google Scholar_ID [PBiWtfYAAAAJ&hl](#)
 39 papers in ISI indexed journals

Projects

Director - 3 national projects

Program / Project	Period	Budget (lei)
CNCSIS - PD / Project code 440 <i>Absorption of carbon dioxide by oxo- and hydroxo organometallic derivatives of bismuth with new phosphorous containing ligands</i>	2010-2012	340.000
CNCSIS - TD / Project code 100 <i>Hypervalent compounds of tri- and pentavalent bismuth</i>	2004-2006	28.160
ANSTI / Theme B21 <i>Hypervalent organobismuth halides</i>	2001	1000

Member of research team

Program /Project	Period
PN-III-P4-ID-PCE-2020-2651 Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai	2021-2023
PN-III-P4-ID-PCE-2016-0857 Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai	2017-2019
PNII-ID-PCCE-2011-2-0050 Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai	2012-2014
PC-Parteneriate – 2009 Partner Prof. Dr. Mircea Vlassa, Universitatea Babeş-Bolyai	2009-2011

PN-II-ID-PCE-2008, Code 2052, Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai 2008-2010

CNCSIS / Code CNCSIS 709, Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai 2006-2008

CEEX / D11-16 / 04.10.2005, Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai 2005-2008

CNCSIS / Cod CNCSIS 1713 Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai 2003-2005

PNCDI/CERES/ Contract No. 32/12.11.2002 Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai 2002-2004

HYPERVALENZ
 Bilateral Project financed by Deutsche Forschungsgemeinschaft - 436 RUM 113/19/0-1, Director Prof. Dr. Cristian Silvestru, Universitatea Babeş-Bolyai, Co-director - Prof. Dr. Hans J. Breunig, Bremen University, Germania 2001-2003

Certifications

- Graduation diploma - Presentation Skills – Euroexam International, 2023
- Level 2 permit (2022) – open sources -radiochemistry, issued by CNCAN,
- Graduation diploma - Teaching Academic Writing Skills – Euroexam International, 2022
- Graduation diploma - Advanced Academic Teaching Skills – Euroexam International, 2022
- Level 1 permit -closed radioactive sources, 2019, UBB
- Certificate (Level 1) in Radiologic protection in working with sources of ionizing radiation, CPSDN, 2019
- Graduation diploma from Advanced crystallographic training on Bruker D8Venture, Cluj-Napoca, Romania, 2019
- Graduation diploma from refresher course *Student centered learning – design, implementation and evaluation of educational processes* within the frame of the project “*Continuing education, through blended learning for university teaching staff*”, 2012
- Graduation diploma from Kappa ApexII/Smart ApexII training course, Bruker AXS, Holland, 2007

Specializations / Research stages

13 January -19-July 2020 (6 months)	Postdoctoral stage at Universite Rennes 1, France, Institut des Sciences Chimiques de Rennes - UMR CNRS 6226 Research group of CNRS researcher Dr. Yann Sarazin
01 May-30 Jun. 2007 (2 months)	Research group of Prof. Dr. K. Jurkschat Fachbereich Chemie, Anorganische Chemie, Universität Dortmund, Gemany
30 Apr.-31 Jul. 2005 (3 months)	Research group of Prof. H. J. Breunig Institut für Anorganische und Physikalische Chemie Universität Bremen, Germany
19 Apr.-21 Aug.2003 (4 months)	Research group of Prof. H. J. Breunig Institut für Anorganische und Physikalische Chemie Universität Bremen, Germany
18 Sep.-16 Dec. 2002 (3 months)	Research group of Prof. H. J. Breunig Institut für Anorganische und Physikalische Chemie Universität Bremen, Germany

Cluj-Napoca, 05.11.2023