

CHEMISTRY AND LIFE AND EARTH SCIENCES

B-dul Carol I, Nr. 11, 700506, Iași, ROMÂNIA

http://www.bio.uaic.ro/#doctorat/doctorat_index.html

<http://www.chem.uaic.ro/en/doctoral/>

<http://www.geo.uaic.ro/index.php/studenti/progrstud/studdoc>

CONTACT

Professor Gabi DROCHIOIU, PhD – Director gabi1954@yahoo.com

Secretariat: Mrs. Angela VATRĂ-avatra@uaic.ro (Chemistry); Mrs. Maria REBEGEA (Geography) & Miss Mihaela Bucsa (Biology)

The Doctoral School of Chemistry and Life and Earth Sciences of “Alexandru Ioan Cuza” University of Iasi is a multidisciplinary research system, in which professors and scientists, having the legal capability to supervise PhD theses and belonging to three different faculties and five research areas, work together with PhD students. While some research topics are of limited area (for example Inorganic Chemistry of coordinative complexes or the Biology of a bird species), most other topics are quite interdisciplinary, the groups from Biology working together with chemists or other specialists. In any case, our young scientists have full access to the existing infrastructure and database in the three faculties: Geography-Geology, Biology and Chemistry. Besides, there is a large cooperation between the Doctoral School and the Faculty of Physics, that of Mathematics, etc., as well as with the Botanical Garden, the Research Stations of the University, “Petru Poni” Institute of Macromolecular Chemistry of Iasi, etc. By means of Erasmus or bilateral project funding as well as POSDRU funding, the PhD students may work together with their colleagues and professors from Germany, France, Spain, Italy (Uni-Konstanz, Lille and Paris, Bologna, etc).

The educational offer of our Doctoral School encompasses five research fields: Biology, Chemistry, Geography, Geology, Environmental Sciences.

DOCTORAL ADVISORS

1. Research Area : BIOLOGY

1 Resercher Alin Stelian CIOBÎCĂ, PhD alin.ciobica@uaic.ro

Carol I, Nr. 22A, Phone: +40 232 201 666; Fax: +40 232 201 472;

Areas of expertise: Animal and Human Physiology; Neurophysiology; Molecular Biology; Neuropsychiatric diseases in animal models and patients; Biochemistry of oxidative stress

Research subjects (selective): Animal models of neuropsychiatric disorders. Relevance some diseases of oxidative stress in the nature of neuropsychiatric, cardiovascular, digestive or metabolic: animal models and human patients. Other aspects of translational biomedical research: animal models and human patients.

<https://scholar.google.ro/citations?user=CqrqKzkAAAAJ&hl=ro>

PhD thesis type: a) animal models for neuropsychiatric disorders; b) The relevance of oxidative stress in some diseases such as neuropsychiatric, cardiovascular, digestive or metabolic ones: animal and humans models; c) Other aspects of translational biomedical research: animal models and human patients.

2. Professor Dumitru COJOCARU, PhD cdumitru@uaic.ro

Phone: +40 232 201645

Fax: + 40 232 201472;

Areas of expertise: Molecular Biology; Medical Biochemistry; Enzymology; Biotechnology

3. Professor Dr. Habil. Lucian HRITCU, PhD, hritcu@uaic.ro

http://www.bio.uaic.ro/organizare/departament/Seflcr_Hritcu_Lucian_CV_EN.pdf

Phone: +40-232-201666

Fax: +40-232-201472

Areas of expertise: Biology/Neurobiology: Animal physiology, Behaviour neurosciences, Molecular Neurobiology, Ethnopharmacology, Phytomedicine

Research subjects (selective): 1. Nootropic studies on the effects of extracts of plant origin in an animal model relevant to Alzheimer's dementia; 2. Aspecte cognitive and molecular influence on extracts of plant in neurodegenerative diseases. Studies in animal models of Alzheimer's disease

4. Conf. Dr. Abilitat Mitroiu Mircea Dan, PhD, E-mail: mircea.mitroiu@uaic.ro;

mirmitro@yahoo.com; Universitatea "Alexandru Ioan Cuza" din Iasi, Facultatea de Biologie, Bd. Carol I, Nr. 22A,

Areas of expertise: Zoology (Entomology): Systematic biology and ecology of parasitoid hymenoptera

Research subjects (selective): Taxonomy and phylogeny of sub-genres of Pteromalidae (Hymenoptera: Chalcidoidea)

5. Professor Ioan MOGLAN, PhD imoglan@uaic.ro

Phone: +40 749 462478;

Work phone: +40 232 201565

Fax: + 40 232 201472

Areas of expertise: Entomology; Zoology

5. Professor Cătălin TANASE, PhD tanase@uaic.ro

Phone:/Fax: + 40 232 201385

http://www.bio.uaic.ro/organizare/departament/Prof_Tanase_Catalin_CV_EN.pdf

Areas of expertise: Mycology, Plant Pathology and Biotic Interactions

6. Professor Dr. Habil. Marius ȘTEFAN, PhD stefanm@uaic.ro

Bd. Carol I, Nr. 22A, Phone:/Fax: + 40 232 201524

<https://mail.uaic.ro/~stefanm/index.html>

Areas of expertise: General microbiology & microbial biotechnology: Plant - Microbial Interactions; Investigation of antibacterial potential of biologically active molecules.

The study of bacterial communities on root surfaces in order to use them as biofertilizers.

Research subjects (selective): Identification of new compounds with antimicrobial properties. Biotechnological applications of rizobacteria.

7. **Professor Maria Magdalena ZAMFIRACHE, PhD** magda@uaic.ro

Phone: +40 232 201513;

Fax: +40 232 201472;

http://www.bio.uaic.ro/organizare/departament/Prof_Zamfirache_Maria_CV_RO.pdf

http://www.bio.uaic.ro/organizare/departament/Prof_Zamfirache_Maria_CV_EN.pdf

Research area: Vegetal Physiology; Microbial and Vegetal Biotechnology

Research subjects (selective):

2. Research Area: CHEMISTRY

1. **Professor dr. Habil. Cecilia ARSENE, PhD** carsene@uaic.ro

Work phone: +40 232 201 354

Fax: + 40 232 201 313

<http://www.chem.uaic.ro/files/File/2016-2017/doctorat/book-sd/arsene-cecilia-curriculum-vitae-english-2016.pdf>

Expertise area: Analytical Chemistry and Instrumental Analysis, Atmospheric Chemistry and Physics, Gas Phase Chemical Reactivity, Phytochemistry

Research subjects (selective): Atmospheric deposition and impact of various chemical species on the northeastern Romania Aerosols in Romanian indoor environments Organic substances in the northeastern Romanian atmosphere Non-methane hydrocarbons burden in the northeastern Romania Chemical reactivity of saturated and unsaturated hydrocarbons Pesticides degradability

2. **Professor Elena BÎCU, PhD** elena@uaic.ro

Phone: 0232-473662;

Work phone: +40 232 232-201347

Fax:+ 40 232 201 313

Website: <http://www.chem.uaic.ro/files/File/2016-2017/doctorat/book-sd/cv-prof-elena-bicu-en.pdf>; https://www.google.ro/?gws_rd=ssl#q=Elena+Bicu%2C+CV

Areas of expertise: Organic Chemistry; Heterocyclic Chemistry; Chemical syntheses

3. **Professor Mihail-Lucian BÎRSĂ, PhD** lbirsa@uaic.ro

Work phone: +40 232 201 349

Fax: + 40 232 201 313

<http://www.chem.uaic.ro/files/File/2016-2017/doctorat/book-sd/cv-lucian-birsa-en-2016.pdf>

Expertise area: Organic Chemistry; compounds with sulfur

Research subjects (selective): Flavonoids; 1,3-Dithiolium Salts; Intramolecular interactions in[2.2] paracyclophanes

4. **Professor Gabi DROCHIOIU, PhD** gabidr@uaic.ro

Phone: +40 722 280328;

Work phone: +40 232 201 279

Fax: + 40 232 201 313

<http://teclu.chem.uaic.ro/drochioiu/> CV: <http://www.chem.uaic.ro/files/File/2013-2014/personal-academic/prof.dr.-gabi-drochioiu.pdf>

Areas of expertise: Biochemistry and Chemical Toxicology; Peptide; Proteomics; Agricultural Chemistry; Food Chemistry

Research subjects (selective): Cyanide and cyanogens determination; Amino acids and proteins analyses; bioremediation; Bioenergetics

5. Professor Ionel MANGALAGIU, PhD ionelm@uaic.ro

Phone: +40 723 240075;

Work phone: +40 232 201343

Fax: + 40 232 201313

<http://teclu.chem.uaic.ro/mangalagiu/>

Areas of expertise: Organic Chemistry: Synthesis of heterocyclic derivatives with N, S and O. Drug Design; NMR; Heterocyclic Chemistry

Research subjects (selective): Medicinal Chemistry: Synthesis of target biological active compounds (anticancer, anti-inflammatory, antimicrobial).

6. Professor Romeo-Julian OLARIU, PhD oromeo@uaic.ro

Work phone: +40 232 201 354

Fax: + 40 232 201 313

<http://www.chem.uaic.ro/files/File/2016-2017/doctorat/book-sd/olariu-romeo-curriculum-vitae-english-2016.pdf>

Expertise area: Environment Chemistry/Atmospheric chemistry
Analytical chemistry and instrumental methods of analysis

Research subjects (selective):

Atmospheric degradation of selected volatile organic compounds

Analytical chemistry and instrumental analysis applied to environment and health

Impact of volatile organic compounds (VOCs) on tropospheric chemistry

Air pollution, aerosols chemistry and the assess of the VOCs impact on oxidizing species in the troposphere and on the climate

7. Professor Mircea Nicolae PALAMARU, PhD palamaru@uaic.ro

Phone: 0232-230752; 0724305537

Work phone: +40 0232-201341; Fax: + 40 232 201 313

Areas of expertise: Inorganic Chemistry; Ferrite synthesis and characterization; perovskite

Research subjects (selective):

8. Associate professor Dr. Habil. Karin POPA, PhD kpopa@uaic.ro

Phone: 0757205491;

Work phone: +4 0757205491

Areas of Expertise: Inorganic Chemistry; Radiochemistry; Materials Chemistry; Separation Techniques; Radioactive Tracers; Solid-State Chemistry; Actinide Science; Radioactive Waste; Ceramics; Applied Spectroscopy; Crystal Structure

Research subjects (selective): Nuclear chemistry; environmental chemistry; inorganic chemistry

9. Professor Eveline POPOVICI, PhD eveline@uaic.ro

Phone: +40 740 255462

Work phone: +40 0232 201344

Fax: + 40 232 201 313

Areas of expertise: Technology of Silicate and Oxide Compounds; Nanoporous oxide materials; Medicinal Chemistry

10. Professor Aurel PUI, PhD aurel@uaic.ro

Work phone: +40 0232 201276

Fax: + 40 232 201 313

Web site: http://www.chem.uaic.ro/files/File/2016-2017/doctorat/book-sd/cv_a_pui-nov.2016_en.pdf; <http://teclu.chem.uaic.ro/aurelpui/personal/>

Areas of expertise: Inorganic Chemistry; Inorganic Materials Coordinative Chemistry; Spectroscopy; Nanostructured compounds; Inorganic Syntheses

Research subjects (selective): Synthesis, characterization and properties of coordination compounds; Magnetic nanoparticles: synthesis, characterization and applications

3. Research Area : GEOGRAPHY

1. Professor Liviu APOSTOL, PhD apostolliv@yahoo.com

Web site: <http://uaic.academia.edu/LiviuApostol>;

<http://www.geo.uaic.ro/index.php/prof-dr-liviu-apostol>;

Work phone: +40 232 201484; Fax: +40 232 201474

Areas of expertise: Physical Geography, Climatology, Synoptic Climatology, Climate Change, Glaciology, Snow Cover, Runoff Modeling, Remote Sensing, Geographic Information Systems (GIS), Meteorology, Atmospheric Pollution

Research subjects (selective): Effects of Geography and Geology on Human Settlements

2. Professor Octavian GROZA, PhD grozaoctavian@yahoo.fr

Web site: <http://www.geography.ro/cv/Groza-Octavian.pdf>;

<http://www.geo.uaic.ro/index.php/prof-dr-octavian-groza>;

Work phone: +40 232 201487; Fax: +40 232 201474

Areas of expertise: Geography; Human and Regional Geography

3. Professor Corneliu IAȚU, PhD ciatu@uaic.ro

Web site: <http://www.geography.ro/cv/Iatu-Corneliu.pdf>;

<http://www.geo.uaic.ro/index.php/ci>

Work phone: +40 232 201493; Fax: +40 232 201474

Areas of expertise: Geography; Human Geography

- 4. Professor Ion IONIȚĂ, PhD** ion.ionita@uaic.ro; ion.ionita72@yahoo.com
Fax: +40 232 201474
Web site: <http://www.geo.uaic.ro/index.php/prof-dr-ion-ionita>
Areas of expertise: Geography; Geomorphology
- 5. Professor Ionel MUNTELE, PhD** imuntele@yahoo.fr
Web site: <http://www.geo.uaic.ro/index.php/prof-dr-ionel-muntele>
Work phone: +40 232 201458; Fax: +40 232 201474
Areas of expertise: Geography; Human Geography
- 6. Professor Gheorghe ROMANESCU, PhD** romanescugheorghe@gmail.com
Web site: <https://sites.google.com/site/geluromanescu/>
Work phone: +40 232 201481; Fax: +40 232 201474
Areas of expertise: Geography; Physical Geography, Hydrology and Geomorphology
- 7. Professor Eugen RUSU, PhD** ruseug552003@yahoo.fr
Work phone: +40 232 201482; Fax: +40 232 201474
Areas of expertise: Geography; Physical Geography, Hydrology and Geomorphology;
Marine Sciences; Environment; Wind Energy
- 8. Professor Constantin RUSU, PhD** cvrusu@uaic.ro
Fax: +40 232 201474
Work phone: +40 232 201482
Areas of expertise: Physical Geography, Climatology, Hydrology and Geomorphology,
Natural Risks

4. Research Area: GEOLOGY

- 1. Professor Mihai BRANZILĂ, PhD** mib@uaic.ro;
Fax: +40 232 201474
Work phone: +40 232 201495
Areas of expertise: Geology, Paleontology
- 2. Professor Gheorghe DAMIAN, PhD,** gheorghe.damian@ubm.ro; damgeo@ubm.ro;
http://www.ad-astra.ro/whoswho/view_profile.php?user_id=1871&lang=ro
Fax: +40 232 201474
Work phone: +40 262 218922
Areas of expertise: Mineralogy, Economic Geology
- 3. Professor Ovidiu-Gabriel IANCU, PhD** ogiancu@uaic.ro;
<https://mail.uaic.ro/~ogiancu/index.html>;
http://www.researchgate.net/profile/Gabriel_Iancu
Work phone: +40 232 201455
Fax: +40 232 201474

Areas of expertise: Mineralogy, Petrology, Geochemistry

4. Professor Mihai- Remus ȘARAMET, PhD saramet@uaic.ro; mihaisaramet101@gmail.com;

Web site: <http://geology.uaic.ro/mihai.saramet/>

Fax: +40 232 201474

Areas of expertise: Geology

5. Research Area : ENVIRONMENTAL SCIENCES

1. Professor Gheorghe NEMȚOI, PhD nemtoi@uaic.ro;

Phone: +40 232 211450;

Work phone: +40 232 201334

Fax: + 40 232 201 313

Areas of expertise: Electrochemistry and Environmental Chemistry

2. Professor Raluca IORDAN, PhD alex@uaic.ro; alexandra.iordan@uaic.ro; Faculty of Chemistry, 11 Carol I Bd., 700506 – IAȘI; Phone: +40 726 232916; Work phone: +40 232 201287

Fax: + 40 232 201 313

Areas of Expertise: Inorganic Chemistry and Environmental Remediation

3. Professor dr. Ion Sandu, PhD ion.sandu@uaic.ro; sandu_i03@yahoo.com;

Web site: <http://www.ionsandu.afir.org.ro/>

Phone: +40 744431709; Work phone: +40 232-201662; Fax: + 40 0232258430; 0332816723

Areas of Expertise: Environmental Sciences, Cultural Heritage