

PERSONAL DATA

TRIFAN ADRIAN



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Sex Male | Birth Date 20/01/1981 | Nationality Romanian

POSITION Assistant professor

PROFESSIONAL BACKGROUND

- 2014-present **Assistant professor**
Group of Bioresources, Department of Bioresources and Polymer Science, Faculty of Applied Chemistry and Materials Science, Politehnica University of Bucharest
- Teaching and research activity
- [Academics](#)
- 2008-2014 **Teaching assistant**
Group of Bioresources, Department of Bioresources and Polymer Science, Faculty of Applied Chemistry and Materials Science, Politehnica University of Bucharest
- Teaching and research activity
- [Academics](#)

EDUCATION AND TRAINING

- 2006-2011 **Ph.D.**
Ph.D. in Chemical Engineering, Department of Bioresources and Polymer Science, Politehnica University of Bucharest, Thesis Title: "Irradiation processes used for decontamination/treatment of liquid streams containing polychlorinated biphenyls", Thesis Supervisor: Prof. Dr. Ing. Ioan Calinescu
- 2006-2008 **Master of science**
Advanced Studies, Department of Bioresources and Polymer Science, Politehnica University of Bucharest, Dissertation: "Dyes with nonconventional uses and surfactants"
- 2006-2008 **Diplomate engineer (M. Sc.)**
Chemical engineer, Faculty of Engineering in foreign languages, Chemical engineering division, english language, Politehnica University of Bucharest, Diploma thesis: „Dechlorination of polychlorinated biphenyls by electron beam"

PERSONAL SKILLS

MOTHER TONGUE(S) Romanian

OTHER LANGUAGE(S)

	UNDERSTANDING		UNDERSTANDING		UNDERSTANDING
	Listening	Listening	Listening	Listening	Listening
Engleza	C1	C1	C1	C1	C1
Rusa	A1	A1	A1	A1	A1

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

Driving licence B category

Teaching Activity

Studies	Program Name/Faculty	Code	Title	Activity type
Bachelor	Organic Substances Chemistry & Engineering, Petrochemical & Carbochemistry / Applied Chemistry & Materials Science	UPB.11.S.08.O.315	Depollution in petrochemical and chemical industry	Course
	Organic Substances Chemistry & Engineering, Petrochemical & Carbochemistry / Applied Chemistry & Materials Science	UPB.11.S.08.O.317	Experimental data analysis in organic chemistry	Course
	Organic Substances Chemistry & Engineering, Petrochemical & Carbochemistry / Applied Chemistry & Materials Science	UPB.11.S.07.O.305 UPB.11.T.06.O.314	Organic technology I Organic technology II	Applications
	Organic Substances Chemistry & Engineering, Petrochemical & Carbochemistry / Applied Chemistry & Materials Science		Surfactants	Applications
	Organic Substances Chemistry & Engineering, Petrochemical & Carbochemistry / Applied Chemistry & Materials Science	UPB.11.S.06.O.316	Catalysis	Applications
	Food products control and expertise/ Applied Chemistry & Materials Science	UPB.11.S.06.O.214	Statistical control of food products	Course & Applications
	Chemical Engineering/Engineering in Foreign Languages		Organic Technology I Organic Technology II	Tutorials & Applications
Master	Chemical Engineering/Engineering in Foreign Languages		Pollution and depollution	Course
	Engineering and management of complex projects /Engineering and management of technological systems		Fuels, combustion and emissions	Applications

ADDITIONAL INFORMATION

Research domain

- Processing of materials / catalysis assisted by microwave and ultrasounds;
- Treatment / destruction of organic wastes;
- Bioresources;
- Biofuels;
- Biotechnology;
- Statistics applied in engineering;

Research projects (selection)

- *Electron beam irradiation used in decontamination processes*, CNCSIS TD national grant, 2008-2009, Project Manager;
- *Technology and instalation for the treatment of petroleum solid wastes*, CEEEX, 2005-2008, Member of research team;
- *The increase of conversion performance of industrial acid flue gases by electron beam and microwave combined treatment*, CNCSIS PN2, 2007-2009, Member of research team;
- *Etilbenzene synthesys from bioethanol and benzene*, SPIN-OFF, 2010-2012, Member of research team;
- Ecologic processes for extraction of essential oils from plants – ECOVALUEPLANT - CNCSIS PN2, 2014-2017.
- Non-conventional techniques used for the activation of chemical and non-chemical processes (ULTRA-MINT Technologies), POC European Project, type G, MySMIS 105145

ADDITIONAL INFORMATION

- **Reviewer** for *Journal of Hazardous Materials* and *Atmospheric Pollution Research*
- **Member of Technical Committee of Admission** of Applied Chemistry & Materials Science Faculty
- **Responsible** of drug precursors and hazardous substances at departament level (2008-present)

ANNEXES

Article list