

Dr. Elena BUTNARU (former Părpăriță)
Research Assistant



PERSONAL INFORMATION:

Date and place of birth: 21.07.1985 Hîrlau, Romania;

Nationality: Romanian; **Sex:** Female

Address: 43A Nicolae Iorga Boulevard, 700211 Iasi, Romania;

Mobile: +40754583397; **E-mail:** elena.parparita@icmpp.ro;

Marital status: Married, 2 childrens

WORK EXPERIENCE

October 2013 – present, Research Assistant, “Petru Poni” Institute of Macromolecular Chemistry, 41A Grigore Ghica Voda Alley, 700487 Iasi, Romania;

The main scientific interest include the followings:

- ✓ Polymeric materials (bio) degradation and stability
- ✓ Physico-chemical characterization of polymers and composites
- ✓ Synthesis and characterization of multi-component hydrogels
- ✓ Biodegradable polymeric systems with applications in food packaging.

EDUCATION AND TRAINING

• **November 2008 – June 2014, Doctor in chemistry,** Romanian Academy, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania.

Thesis title: “Contributions to preparation and characterization of new environmentally degradable polymeric materials”

• **October 2008 – June 2010, M.Sc. degree,** “Alexandru Ioan Cuza” University, Faculty of Chemistry, Iasi, Romania. Specialty: Dynamics of chemical systems with application in environmental chemistry

Thesis title: “Polymeric systems based on chitosan and polyvinyl alcohol with special applications”

• **October 2004 – June 2008, B.Sc. degree,** “Alexandru Ioan Cuza” University, Faculty of Chemistry, Iasi, Romania. Specialty: Chemistry.

Thesis title: “Inorganic pollutants in the environment (air, water, soil)”

PERSONAL SKILLS

Native language	Romanian				
Foreign languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Participating at conversation	Oral speech	
English	C1	C1	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Technical skills	<i>Experience in analysis and experimental techniques</i> – Pyrolysis, gas chromatography coupled with mass spectrometry (GC-MSD), Spectroscopy (FTIR, XRD), optical and electronic microscopy (SEM); thermal analysis methods coupled with evolved gas analysis (TG-FTIR/MS, DSC), rheometry tests, and gas permeability (CO ₂ , O ₂) measurements.
Social skills	Hardworking and dedicated professional, sociable and good teamwork person, good adaptability to new environments and circumstances, good communication skills, motivated and able to learn quickly and independently.
Computer skills	<i>Self-educated user of</i> Ms Office (Word, Excel, Outlook, Power Point); Adobe Photoshop CC, Paint, IrfanView, OriginPro 8.5.

SCIENTIFIC ACHIEVEMENTS

Publication: Principal author or co-author of 16 articles published in ISI-indexed journals and co-author of 2 book chapters published in national/international publishing houses.

Presentations/Conferences: Main author of 15 presentations at national/international scientific meetings (10 oral communications and 5 poster presentations) and co-author of 6 presentations at national/international scientific meetings (3 oral communications and 3 poster presentations)

Projects:

- Member in national research project: PN II–Partnerships, BIONANOMED 164/2012 UEFISCDI – “Antimicrobial Bionanocomposites for medical applications”. Period: 2012-2016.

- Member in 3 international research projects: 1) EUREKA E! 4952 – “New technologies for bioactive packaging obtaining” (BIOPACKAGING), Period: 2010-2012; 2) ACTIBIOSAFE 1SEE/30.06.2014 – “Improving Food Safety through the Development and Implementation of Active and Biodegradable Food Packaging Systems”, Romania-Norway. Period: 2014-2017; 3) Marie Curie FP7 program, grant PIRSES GA-2009-247550 BIOFUEL (research studies at Okayama University at Graduate School of Environment and Life Science for 11 months since May 2012).

- Administrator and financial responsible for 1 internat. Project: Erasmus + TL-IRMP 2014-1-PL01-KA203-003611: “Joint innovative training and teaching/learning program in enhancing development and transfer knowledge of application of ionizing radiation in materials processing” (2014-2017).

- 1 patent: “The obtaining of a biocompatible polymeric material with antimicrobial and antioxidant properties”. Nr. 3/55 from 24.04.2019.

Citations:

According to ISI Web of Science Core Collection (searched for: AUTHOR: (Parparita Elena) AND ADDRESS: (Poni) OR AUTHOR: (Butnaru Elena) AND ADDRESS: (Poni)) (September 2019): 194 Total citations and Hirsch index 7.