




Jasmina Nikodinovic-Runic

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 **Work:** Vojvode Stepe 444a, 11042 Belgrade (Serbia)

WORK EXPERIENCE

Full Research Professor

Institute of Molecular Genetics and Genetic Engineering, University of Belgrade [2011 – Current]

City: Belgrade

Country: Serbia

Group Leader

Senior Research Fellow

University College Dublin [2006 – 2010]

City: Dublin

Country: Ireland

Postdoctoral Fellow

University of Montana, Department of Chemistry [2004 – 2006]

City: Missoula

Country: United States

EDUCATION AND TRAINING

PhD

University of New South Wales [2004]

City: Sydney

Country: Australia

Website: <https://www.unsw.edu.au/>

BSc

University of Western Sydney [2000]

City: Sydney

Country: Australia

Website: <https://www.westernsydney.edu.au/>

RESEARCHER ID

Research profiles

[Current]

- ORCID [0000-0002-2553-977X](https://orcid.org/0000-0002-2553-977X)
- SCOPUS Author ID: [26029473400](https://scopus.com/authid/detail.url?authorID=26029473400)

LANGUAGE SKILLS

Mother tongue(s): **Serbian**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

RESEARCH INTERESTS

Selected research interests

[Current]

- **Biocatalysis** (biocatalysis in organic synthesis, protein expression & directed evolution, biotransformations, biocatalytic process development and optimization);
- **Novel bio-materials** (biopolymers, functionalization of biopolymers)
- **Bacterial bioactive secondary metabolites** (antifungal & anticancer compounds) **and their application**
- **Up-cycling technologies** (from waste to value)

NETWORKS AND MEMBERSHIPS

Active memberships

- Member of the ESAB Scientific Committee (European Society of Applied Biocatalysis; <https://esabweb.org/>)
- Editorial Board member of Engineering Microbiology journal <https://www.journals.elsevier.com/engineering-microbiology>
- Editor of Biocatalysis Section in MDPI Catalysts journal
- Member: ASM (American Society for Microbiology), FEMS (Federation of European Microbiological Societies), ESCMID (European Society of Clinical Microbiology and Infectious Diseases), SCS (Serbian Chemical Society)

PROJECTS

Research & Innovation Projects

- 2022 – 2025 EcoplastiC - Eco conversion of lower grade PET and mixed recalcitrant PET plastic waste into high performing biopolymers (HE Pathfinder); www.ecoplasticproject.eu
- 2020 – 2024 BioICEP – Bio Innovation of a Circular Economy for Plastics (H2020); www.bioicep.eu
- 2022 – 2024 BioECOLOGics- Value-added bioecologics through eco-sustainable routes, Program IDEAS, Science Fund of the Republic of Serbia, Grant No 7730810; www.bioecologics.rs
- 2019 - 2022 Synthesis and application of new chemotherapeutics based on natural products and metal complexes'- Serbian Academy of Sciences and Art, No F-65
- 2018 – 2019 The upcycling of waste plastic packaging material to a biodegradable plastic: Waste to value added product- Green Innovation Vouchers Scheme for Serbia, European Bank for Reconstruction and Development (EBRD), Austrian DRIVE (Delivering Resource Efficiency InVEstments) Programme
- 2016 – 2018 Mining microbial resources for novel antifungal drug leads – bilateral project Ministry of Education Science and Technological Development of the Republic of Serbia and Deutcher Akademischer Austauschdienst (DAAD)
- 2015 – 2017 Development of biopolymeric formulation of antifungal polyenes using medium chain length polyhydroxyalkanoate (PHA): validation against superficial mycoses -ESCMID
- 2012 - Functionalization of biopolymers – collaborative research project with SME 'Bioplastech Ltd', Dublin, Ireland