

Curriculum Vitae

Jasmina Corovic (Damnjanovic)

Current position: Associate Professor
Affiliation: Laboratory of Molecular Biotechnology
Graduate School of Bioagricultural Sciences
Nagoya University
Furo-cho, Nagoya, 464-8601, Japan

EDUCATION

2013 **Ph.D. in Applied Biosciences, Nagoya University, Japan**

2009 **Master of Engineering, University of Belgrade, Serbia**
Faculty of Technology and Metallurgy, Department of Biochemical Engineering with Biotechnology

2005 **Graduated Engineer of Technology**
University of Belgrade, Serbia
Faculty of Technology and Metallurgy, Department of Biochemical Engineering with Biotechnology

EMPLOYMENT (@Nagoya University)

2024-now **Associate Professor**, Grad. School of Bioagricultural Sciences

2020-2024 **Lecturer**, Grad. School of Bioagricultural Sciences

2015-2020 **Assistant Professor**, Grad. School of Bioagricultural Sciences

2014-2015 Designated **Assistant Professor**, Leading Graduate School Programs, Women Leaders Program to Promote “Well Being in Asia”

2013-2014 **Postdoctoral Researcher**, Grad. School of Bioagricultural Sciences

RESEARCH EXPERIENCE

2017-present Development of *in vitro* single -molecule display system for enzyme studies and enzyme engineering

2010-2020 Protein engineering of phospholipase D and its application to bioactive phospholipid synthesis

2004-2009 Enzyme immobilization and use of immobilized lipase for aromatic ester synthesis

FIVE MOST RELEVANT PUBLICATIONS

- 1) Substrate profiling of human transglutaminase 1 using cDNA display and next-generation sequencing, T. I. K. Munaweera, J. Damnjanović*,, H. Nakano (2024) *Biosci. Biotechnol. Biochem.* 88: 620–629.
- 2) Comprehensive analysis of transglutaminase substrate preference by cDNA display coupled with next-generation sequencing and bioinformatics, J. Damnjanović*,, H. Nakano (2022) *Sci. Rep.* 12: 13578.
- 3) Structures of an engineered phospholipase D with specificity for secondary alcohol transphosphatidylolation: Insights into plasticity of substrate binding and activation, A. Samantha, J. Damnjanović,, A. Vrielink (2021) *Biochem. J.* 478: 1749-1767. (Cover page)
- 4) Facile enzymatic synthesis of phosphatidylthreonine using an engineered phospholipase D, J. Damnjanović,, H. Nakano, Y. Iwasaki (2018) *Eur. J. Lipid Sci. Technol.* 120: 1800089.

- ♪) Directing positional specificity in enzymatic synthesis of bioactive 1-phosphatidylinositol by protein engineering of a phospholipase D,
J. Damjanović,....., H. Nakano, Y. Iwasaki (2016) *Biotechnol. Bioeng.* 113: 62-71.

Total publications: 17 research articles, 3 review papers, 2 book chapters, more than 40 presentations (regular and invited talks).

LANGUAGE SKILLS

English (fluent), Japanese (intermediate/working proficiency), Serbian (mother tongue)

AWARDS

- 2013 ***Chubu Branch Chief Award*** for oral presentation,
The Annual Meeting of the Society for Biotechnology of Japan, Nagoya, Japan
- 2014 ***Best Poster Award***
The 13th China-Japan-Korea Joint Symposium on Enzyme Engineering, Jeju, Korea
- 2023 ***Young Female Researcher Award***,
Japan Society for Bioscience, Biotechnology and Agrochemistry

HONORS

- 2009 Japanese Government ***MEXT Scholarship*** (10/2009-9/2013)
- 2015 ***JSPS Postdoctoral Fellowship for Overseas Researchers***
Remark: discontinued to take the position of Assistant Professor