



# Kinga Ilona Böde

**Nationality:** Hungarian

**Phone Number:** (+36) 703262603

**E-mail address:** [bode.kinga@brc.hu](mailto:bode.kinga@brc.hu)

**Workplace:** Temesvári körút. 62, 6726 Szeged (Hungary)

## EDUCATION

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### PhD student

*Biological Research Centre* [ 2019 – current ]

**Address:** Temesvári körút 62, 6726 Szeged (Hungary)

### PhD student

*Doctoral School of Biology, University of Szeged* [ 2019 – 2023 ]

**Field of study:** Biophysics, Plant Biology

### Master's degree in Cell and Molecular Biology

*University of Szeged, Faculty of Science and Informatics* [ 2016 – 2018 ]

**Field of study:** Cell and Molecular Biology

**Thesis:** Examination of the neurological correlations of misophonia

### Bachelor's degree in General Biology

*University of Szeged, Faculty of Science and Informatics* [ 2013 – 2016 ]

**Field of study:** Cell and Molecular Biology

**Thesis:** Neurochemical identity of lateral hypothalamic projection targets in the dorsal raphe nucleus

## PROFESSIONAL EXPERIENCE

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### Research Assistant

*HUN- REN Biological Research Centre* [ 2023 – current] - Szeged, Hungary

### Part-time Research Assistant

*University of Ostrava* [ 2023 – current] – Ostrava, Czech Republic

## AWARDS

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### Best Poster Award

International Society of Photosynthesis Research (ISPR) [ 06/07/2023 ]

Best poster presentation at the "11th International Conference of Photosynthesis and Hydrogen Energy Research for Sustainability".

### Hungarian State Scholarships

BSc: 2013 - 2016

MSc: 2016 - 2018

PhD: 2019 - 2023

## PUBLICATIONS

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### Role of isotropic lipid phase in the fusion of photosystem II membranes

[2023] - Biochimica et Biophysica Acta (BBA) - Biomembranes

Submitted

### Structural Entities Associated with Different Lipid Phases of Plant Thylakoid Membranes-Selective Susceptibilities to Different Lipases and Proteases

Cells. 2022 Aug 28;11(17):2681.

### Salt Stress Induces Paramylon Accumulation and Fine-Tuning of the Macro-Organization of Thylakoid Membranes in Euglena gracilis Cells

Front Plant Sci. 2021 Nov 16;12:725699.

### A mikroalgákban rejlő biotechnológiai lehetőségek, különös tekintettel az állatitakarmányozásban

[2021] - Halászatfejlesztés 38 pp. 62-63. 2 p., ISBN: 9789632699615

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10081085>

## INTERNATIONAL COLLABORATIONS

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### CERIC-ERIC, Slovenian NMR Centre (Ljubljana, Slovenia)

[ 2022 – current ]

Partners: Primoz Sket, Uros Javornik, Janez Plavec

## GRANTS

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### The Czech Science Foundation (GACR) - GAČR 23-07744S, GAČR 19-13637S

[ 2022 – current ]

### GINOP-2.3.2-15-2016-00058 (2017-2021)

[ 2019 – 2021 ]

Efficient production and utilization of preventive feed supplements based on immunostimulatory microalgae strains, previously unused, in intensive fish farms

### OTKA K-128679 (2018-2022)

[ 2022 ]

Lipid polymorphism of thylakoid membranes. structural units, membrane dynamics, photosynthetic functions

## CONFERENCES

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### Hungarian Biophysical Society (MBFT) XXIXth Congress

[ Budapest, Hungary, 28/08/2023 – 31/08/2023 ]

Conference talk: "Lipid polymorphism of photosystem II membranes – evidence of the role of isotropic lipid phase in membrane fusions"

Link: <https://mbft.hu/kongresszus2023/>

## **11th International Conference of Photosynthesis and Hydrogen Energy Research for Sustainability**

[ Istanbul, Turkey, 03/07/2023 – 09/07/2023 ]

Conference talk & poster-presentation: "**Evidence for the role of isotropic lipid phase in the fusion of photosystem II membranes**"

## **Straub Days 2023 - BRC**

[ Szeged, Hungary, 25/05/2023 – 26/05/2023 ]

Poster-presentation: "**Lipid polymorphism in photosystem II membranes – evidence of the role of isotropic lipid phase in membrane fusions**"

## **Green Christmas 2022 - "Photosynthetic microorganisms for sustainable development"**

[ Online, 06/12/2022 – 07/12/2022 ]

participation

## **Regional Biophysics Conference (RBC2022)**

[ Pécs, Hungary, 22/08/2022 – 26/08/2022 ]

Poster-presentation: "**Origin of the isotropic lipid phases in plant thylakoid and photosystem II membranes**"

Co-author, poster-presentation: "**Structural and functional units associated with non-bilayer lipid phases of plant thylakoid membranes**"

## **21st European Bioenergetics Conference (EBEC2022)**

[ Aix-en-Provence, France, 20/08/2022 – 25/08/2022 ]

Co-author, poster-presentation: "**Lipid polymorphism of plant thylakoid membranes. Structural and functional units associated with non-bilayer phases**"

## **Straub Days 2022 - BRC**

[ Szeged, Hungary, 25/05/2022 – 27/05/2022 ]

Co-author, poster-presentation: "**Bacterial growth phases in Synechococcus elongatus PCC7942**"

## **ProSynFest2020**

[ Córdoba, Spain, 16/03/2022 – 19/03/2022 ]

Co-author, poster-presentation: "**Bacterial growth phases in Synechococcus elongatus PCC7942**"

**Link:** <https://www.prosynfest2020.com/wp-content/uploads/2022/03/Abstract-Book-Prosynfest.pdf>

## **Algal Biomass, Biofuels & Bioproducts (Online)**

[ online, 14/06/2021 – 16/06/2021 ]

participation

## **AlgaEurope2020**

[ Rome, Italy, 01/12/2020 – 03/12/2020 ]

Co-author, poster-presentation: "**Characterization of growth of microalgae**"

**Link:** <https://media-01.imu.nl/storage/algaeuropa.org/423/algaeuropa-2020-abstarct-book.pdf>

## **AlgaEurope2019**

[ Paris, France, 03/12/2019 – 05/12/2019 ]

Co-author, poster-presentation: "**Microalgae as immunostimulants in fish farming**"

**Link:** [https://www.researchgate.net/publication/345242019\\_Microalgae\\_as\\_immunostimulants\\_in\\_fish\\_farming](https://www.researchgate.net/publication/345242019_Microalgae_as_immunostimulants_in_fish_farming)

Poster-presentation: "**Structural flexibility of thylakoid membranes revealed by small-angle neutron scattering**"

### **9. 9th Symposium on Microalgae and Seaweed Products in Plant/Soil-Systems**

[ Mosonmagyaróvár, Hungary 24/06/2019 – 25/06/2019 ]

Poster-presentation: "**Macro-organization of the photosynthetic membranes in isolated microalgal strains**"

### **Straub Days 2019 - BRC**

[ Szeged, Hungary, 29/05/2019 – 30/05/2019 ]

Co-author, poster-presentation: "**Effect of salt treatments on biotechnologically important microalgal strains**"

### **IBRO Workshop**

[ Budapest, Hungary, 20/01/2016 – 21/01/2016 ]

participation

### **HUNDOC - Hungarian Neuroscience Doctoral Conference**

[ Budapest, Hungary 19/01/2016 ]

participation

## **LANGUAGE**

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**Native: Hungarian**

**English (B2 - C1), French (A2)**

## **DIGITAL SKILLS**

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MATLAB / Bruker TopSpin NMR data analysis software / Dmfit software / Ms Office (Word, Excel, PowerPoint) / Social Media platforms / Skype, MS Teams, Zoom

## **VOLUNTEERING**

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### **Turtle conservation project**

[ North-Cyprus, Turkey, 07/2017 – 09/2017 ]