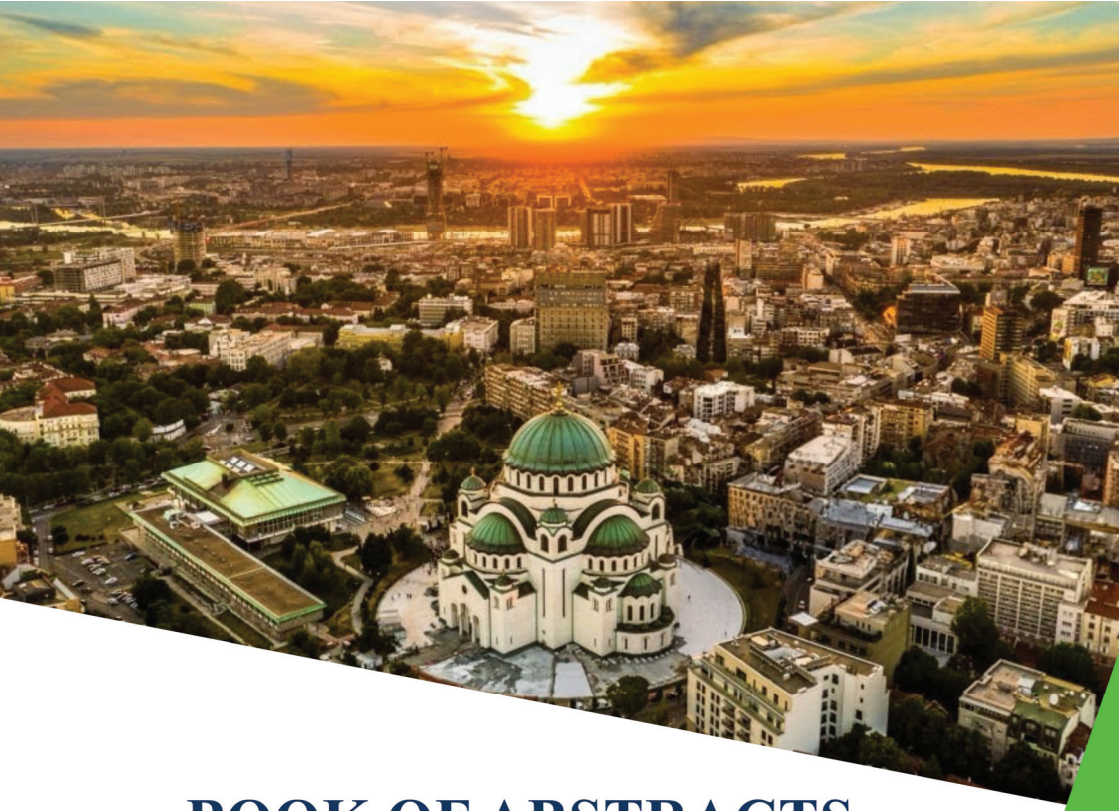

BOOK OF ABSTRACTS

First International Conference on Medical, Pharmaceutical and Cosmetic Chemistry, Household and Industrial Chemistry, Forensic and Analytical Chemistry

Belgrade, Serbia 5 May 2026

ChemInno 2026

When Science Meets Industry

Celebrating 65 Years of the Institute of General and Physical Chemistry

65 YEARS OF EXCELLENCE

Institute of General and Physical Chemistry

First International Conference
on Medical, Pharmaceutical and Cosmetic Chemistry,
Household and Industrial Chemistry, Forensic and Analytical Chemistry
ChemInno 2026

First International Conference
on Medical, Pharmaceutical and Cosmetic Chemistry,
Household and Industrial Chemistry, Forensic and Analytical Chemistry
ChemInno 2026

BOOK OF ABSTRACTS

Belgrade, Serbia, 5 May 2026

Title **BOOK OF ABSTRACTS**
First International Conference on Medical, Pharmaceutical and Cosmetic Chemistry, Household and Industrial Chemistry, Forensic and Analytical Chemistry - ChemInno 2026

Publisher Institute of General and Physical Chemistry
Studentski trg 12-16, 11158 Belgrade, Serbia

For the publisher Stevan Blagojević, director of the Institute of General and Physical Chemistry

Editors Boris Rajčić (Institute of General and Physical Chemistry, Belgrade, Serbia)
Aleksandar M. Đorđević (Institute of General and Physical Chemistry, Belgrade, Serbia)
Dubravka Milovanović (Institute of General and Physical Chemistry, Belgrade, Serbia)
Milica Marčeta Kaninski (Institute of General and Physical Chemistry, Belgrade, Serbia)

The book of abstracts contains abstracts reviewed and accepted by the members of the Scientific Committee as the contributions at the First International Conference on Medical, Pharmaceutical and Cosmetic Chemistry, Household and Industrial Chemistry, Forensic and Analytical Chemistry - ChemInno 2026, Belgrade, Serbia, May 5th 2026

Technical design Institute of General and Physical Chemistry, Belgrade, Serbia

Pre-press and printing Institute of General and Physical Chemistry, Kopirnica Fleš

ISBN 978-86-908815-2-9 (Online edition)

Supported by the Ministry of Science, Technological Development and Innovation of Republic of Serbia.

ORGANIZERS

Organizer: Institute of General and Physical Chemistry, Belgrade, Serbia (IGPC)

65 YEARS OF EXCELLENCE

Institute
of General and Physical Chemistry

Co-organizer: Academy of Applied Studies Belgrade, Belgrade, Serbia (AASB)

АКАДЕМИЈА СТРУКОВНИХ СТУДИЈА БЕОГРАД
ACADEMY OF APPLIED STUDIES BELGRADE

SCIENTIFIC / PROGRAMME COMMITTEE

Chair: Stevan Blagojević, Institute of General and Physical Chemistry, Serbia
Janez Kovač, Jozef Stefan Institute, Slovenia
George Dobre, University of Kent, UK
Milica Marčeta Kaninski, Institute of General and Physical Chemistry, Serbia
Tomaž Fakin, Silkem d.o.o., Slovenia
Vladimir Nikolić, Institute of General and Physical Chemistry, Serbia
Danijela Pecarski, Academy of Applied Studies Belgrade, Serbia
Valentin Birdeanu, Romania
Dubravka Milovanović, Institute of General and Physical Chemistry, Serbia
Gordana Laštovička Medin, PMF, Montenegro
Saša Milićević, Medicinski fakultet VMA, Serbia
Milena Opačić, Johnson & Johnson, The Netherlands
Nicolina Pop, Politehnica University of Timisoara, Romania
Saeid Amini-Nik, Sunnybrook Health Sciences Centre / Extatin Inc., Canada
Dalila Khamari, University of Batna 2, Algeria
Anup Paul, Polytechnic Institute of Portalegre, Portugal
Boris Rajčić, Institute of General and Physical Chemistry, Serbia
Aleksandar M. Đorđević, Institute of General and Physical Chemistry, Serbia
Sanja Petronić, Institute of General and Physical Chemistry, Serbia
Slađana Maslovara, Institute of General and Physical Chemistry, Serbia
Aleksandra Radulović, Institute of General and Physical Chemistry, Serbia

ORGANIZING COMMITTEE

Chair: Milica Marčeta Kaninski, Institute of General and Physical Chemistry, Serbia
Stevan Blagojević, Institute of General and Physical Chemistry, Serbia
Vladimir Nikolić, Institute of General and Physical Chemistry, Serbia
Dubravka Milovanović, Institute of General and Physical Chemistry, Serbia
Boris Rajčić, Institute of General and Physical Chemistry, Serbia
Aleksandar M. Đorđević, Institute of General and Physical Chemistry, Serbia
Aleksandra Radulović, Institute of General and Physical Chemistry, Serbia
Sanja Petronić, Institute of General and Physical Chemistry, Serbia
Hadi Waisi, Institute of General and Physical Chemistry, Serbia
Jelena Radivojević, Institute of General and Physical Chemistry, Serbia
Ksenija Stajić-Trošić, Institute of General and Physical Chemistry, Serbia
Marko Jovanović, Institute of General and Physical Chemistry, Serbia
Aleksandar Janaćković, Institute of General and Physical Chemistry, Serbia
Andrea Žerajić, Academy of Applied Studies Belgrade, Serbia
Ana Kalušević, Academy of Applied Studies Belgrade, Serbia
Mila Filipović, Academy of Applied Studies Belgrade, Serbia
Yang Zhen, PhD, Jinan Vocational College of Nursing , China
Wang Yuhan, Jinan Vocational College of Nursing , China
Ivana Kijačić, Institute of General and Physical Chemistry, Serbia
Jovana Protić, Institute of General and Physical Chemistry, Serbia
Nevena Milutinović Merhi, Institute of General and Physical Chemistry, Serbia
Slavica Blagojević, University of Belgrade, Faculty of Pharmacy, Serbia
Nataša Pejić, University of Belgrade, Faculty of Pharmacy, Serbia

This book contains the abstracts of
8 plenary lectures
21 invited lectures
184 poster contributions,
accepted for presentation at
the First International Conference on Medical, Pharmaceutical and Cosmetic Chemistry, Household and Industrial Chemistry, Forensic and Analytical Chemistry
ChemInno 2026

SUPPORTED BY

Republic of Serbia
MINISTRY OF SCIENCE,
TECHNOLOGICAL DEVELOPMENT AND INNOVATION

CONTENT

SESSIONS

1. Physical Chemistry in Applied Science and Technology

2. Pharmaceutical Formulations, Aesthetic Medicine

3. Biotechnology, Medical & Cosmetic Chemistry

4. Household Chemistry and Materials for Industry

5. Sustainable Chemistry & Green Formulations

6. Forensic & Analytical Chemistry

7. Technological & AI-driven digital innovations

8. Chemical Safety, Regulation, Standards & Knowledge Transfer

ChemInno 2026

— When Science Meets Industry —

8:00 – 9:00	**REGISTRATION**		
9:00 – 9:20	**OPENING CEREMONY** The Obilić Choir - the National Anthem of Serbia Ministry of Science, Technological Development and Innovation Prof. Dr. Darija Kisić, Director, Science Fund of the Republic of Serbia Dr. Saša Lazović, Director, Innovation Fund of the Republic of Serbia The Obilić Choir - "Ovo je Srbija"		
9:20-9:35	**Promotion video of the Institute of General and Physical Chemistry**		
9:35 – 10:15	**PANEL DISCUSSION** Jadranka Mirković – BIO4 Campus; Nevena Veljković – Genial; Sanja Krstić – Lab Queen; Danilo Vujošević – Continental; Goran Bijelić – Tecnalia; Rade Surudžić – Elixir		
10:15 – 10:20	**PHOTO SESSION**		
TIME	**HALL 1**	**TIME**	**HALL 2**
	Session 1: Physical Chemistry in Applied Science & Technology Chair: Zoran Šaponjić, Institute of General and Physical Chemistry (Serbia)		**Session 2: Pharmaceutical Formulations, Aesthetic Medicine** Chair: Andrej Podkoritnik, Belinka Perkemija (Slovenia)
10:20-10:30	**SPONSOR** **Nataša Todorov, Elixir Group (Serbia)** From Identifying Problems to Creating Value	**10:20-10:40**	**PLENARY LECTURE** **Danijela Pecarski, Academy of Applied Studies Belgrade (Serbia)** Dermal Engineering: The Role of Biomimetic Lipids and Smart Signaling Substances in Restoring the Compromised Skin Barrier
10:30-10:50	**PLENARY LECTURE** **Zoran Žujović, Institute of General and Physical Chemistry (Serbia)** Molecular Blueprints for Charge Transport: Probing the Semicrystalline Morphology of Poly(caprolactone)-graft-Oligo(3-hexylthiophene) by using Solid-State NMR	**10:40-10:55**	**INVITED LECTURE** **Milica Lukić, University of Belgrade, Faculty of Pharmacy (Serbia)** Defining the Boundaries Between Medicinal Products and Cosmetics in Aesthetic Practice
10:50-11:05	**INVITED LECTURE** **Janez Cerkovnik, University of Ljubljana, Faculty of Chemistry and Chemical Technology (Slovenia)** Stabilizing Molecules with Hydrogen-Bond Acceptors: Co-crystallization as a Valuable Strategy in Crystal Engineering	**10:55-11:10**	**INVITED LECTURE** **Jelena Planojević Dahlia (Serbia)** Guidelines for Monitoring Skin Barrier Parameters in the Evaluation of Cosmetic Product Efficacy
11:05-11:20	**INVITED LECTURE** **Ljubica Vasiljević, University of East Sarajevo, Faculty of Technology in Zvornik (Bosnia and Herzegovina)** Synthetic Zeolites, Key Materials in Chemical Processes and Industry	**11:10-11:20**	**SPONSOR** **Špela Kunej, Asja Graphy Bio Institute (Israel)** A Novel Stabilized Ethosomal Gel for Enhanced Delivery of Bioactive Compounds
11:20-11:40	**COFFEE BREAK**		
	Session 3: Biotechnology, Medical & Cosmetic Chemistry Chair: Milena Opačić, Johnson & Jonhson (The Netherlands)		**Session 4: Household Chemistry & Materials for Industry** Chair: Aleksandar Đorđević, Institute of General and Physical Chemistry (Serbia)
11:40-11:50	**SPONSOR** **Sanja Krstić, Lab Queen (Serbia)** Turning Problems into Solutions: The Journey Behind Lab Queen	**11:40-11:50**	**SPONSOR** **Vladislav Živanić, BS BG Technology** Towards Smarter Skies: Optimization of AgI Aerosol Generation for Drone-Based Cloud Seeding Applications

ChemInno 2026

— When Science Meets Industry —

11:50-12:10	**PLENARY LECTURE** **Jelena Pajnik, Technical University Munich (Germany)** Functional Porous Polymer-Zeolite Composites as Carriers for Bioactive Compounds	**11:50-12:10**	**PLENARY LECTURE** **Stevan Blagojević, Institute of General and Physical Chemistry (Serbia)** Physical Chemistry in Household Cleaning Formulations Development
12:10-12:25	**INVITED LECTURE** **Miloš Mojović, University of Belgrade, Faculty of Physical Chemistry (Serbia)** Nanocarriers for Bioactive Compounds: Bridging Research and Real-World Performance	**12:10-12:25**	**INVITED LECTURE** **Zorica Svirčev, University of Novi Sad, Faculty of Sciences (Serbia)** Pan-Life-Carpet for Terrestrial Surface Restoration and Pollution Mitigation
12:25-12:40	**INVITED LECTURE** **Jelena Dikić, Innovation Center od the Faculty of Technology and Metallurgy (Serbia)** Zeolite-Based Materials as Novel Antibacterial Agents	**12:25-12:40**	**INVITED LECTURE** **Andrej Podkoritnik, Belinka Perkemija (Slovenia)** A 3-in-1 Hydrogen Peroxide-Based Liquid Detergent for Effective Low-Temperature Laundering
12:40-14:20	**POSTER SESSION**		
13:20-14:20	**LUNCH**		
TIME	**Hall 1**	**TIME**	**Hall 2**
14:20-14:35	**INVITED LECTURE** **Ivana Drvenica, Institute for Medical Research, National Institute of the Republic of Serbia (Serbia)** Tailoring Natural Zeolite through Mechanical Activation for Targeted Biomedical Applications		**Session 5: Sustainable Chemistry & Green Formulations** Chair: Katarina Dimić-Mišić, Institute of General and Physical Chemistry (Serbia)
		14:20-14:40	**PLENARY LECTURE** **Patrick Gane, Aalto University (Finland)** Composite Design for the Circular Economy: Embracing Sustainable Filler-Cellulose Interactive Bioproduct Composite Regeneration
14:35-14:50	**INVITED LECTURE** **Ivan Lazarević, Jango Technology (Serbia)** Biofilm in Industrial Water Systems: Challenges in Detection, Monitoring, and Remediation	**14:40-14:55**	**INVITED LECTURE** **Srećko Stopić, RWTH Aachen University (Germany)** Sustainable Chemistry with Green Formulations in Transformation of Bauxite Residues into Metals
14:50-15:05	**INVITED LECTURE** **Lidija Izrael Živković, Institute of Chemistry in Medicine, School of Medicine, University of Belgrade (Serbia)** The Impact of Nanomaterials on Bacteria and Enzyme Systems	**14:55-15:10**	**INVITED LECTURE** **Jelena Trifković, University of Belgrade, Faculty of Chemistry (Serbia)** Green Extraction of Bioactives from Fruit and Vegetable By-products for Food Applications
15:05-15:15	**INVITED LECTURE** **Anup Paul, Portalegre Politechnic University (Portugal)** Beyond Platinum: Anticancer Activity of Cu(II), Sn(IV), and Ruthenium Complexes	**15:10-15:25**	**INVITED LECTURE** **Marijana Ponjavić, University of Belgrade Institute of Molecular Genetics and Genetic Engineering (Serbia)** Corn Stover-Derived Biocomposites: Enabling Circularity in Material Development
15:15-15:35	**INVITED LECTURE** **Nicolina Pop, Polytechnica University of Timisoara (Romania)** Structural Defects Analysis of Layered Double Hydroxides for Biomedical Applications	**15:25-15:35**	**SPONSOR** **Zoran Aksentijević, Aksennt (Serbia)** Bioengineering of the skin and instrumental proof of the preparation
15:35-15:50	**COFFEE BREAK**		

ChemInno 2026

— When Science Meets Industry —

	Session 6: Forensic & Analytical Chemistry Chair: Vladimir Nikolić, Institute of General and Physical Chemistry (Serbia)		Session 7: Technological & AI-Driven Digital Innovations Chair: Boris Rajčić, Institute of General and Physical Chemistry (Serbia)
15:50-16:10	**PLENARY LECTURE** **Dušan Dimić, University of Belgrade, Faculty of Physical Chemistry (Serbia)** From Molecular Structure to Biological Activity: Quantum Chemistry and Molecular Modeling in Forensic Science	**15:50-16:10**	**PLENARY LECTURE** **Nevena Veljković, Genial (Serbia)** From Expert Workflows to Scalable Biomedical Analytics: Bridging Science and Industry
16:10-16:25	**INVITED LECTURE** **Živoslav Tešić, University of Belgrade, Faculty of Chemistry (Serbia)** Polyphenols of Domestic Grapevine Variety from Serbia	**16:10-16:25**	**INVITED LECTURE** **Tomaž Fakin, Silkem (Slovenia)** Zeolites - Small Pores, Great Solutions
16:25-16:40	**INVITED LECTURE** **Nikola Milašinović, Faculty of Forensic Sciences and Engineering (Serbia) – INV** New Frontiers and Sustainable Strategies for Next-Generation Latent Fingerprint Visualization	**16:25-16:40**	**INVITED LECTURE** **Dušan Malenov, University of Belgrade, Faculty of Chemistry (Serbia)** Digital Tools for Knowledge Transfer - CSD4NCI Workshop
16:40-17:00	**INVITED LECTURE** **Biljana Stankov, University of Belgrade, Institute of Physics, National Institute of the Republic of Serbia** Acoustic Signatures in LIBS-Based Detection of Explosive Traces		**Session 8: Chemical Safety, Regulation, Standards & Knowledge Transfer** Chair: Boris Rajčić, Institute of General and Physical Chemistry (Serbia)
		16:40-17:00	**PLENARY LECTURE** **Marijana Milosavljević MNS Center (Serbia)** Endocrine Disruptors Between Science and Law
17:00-17:30	**CLOSING REMARKS & AWARD**		

P3.27 From Biochemistry to Cosmetology: Epigenetic Approaches for Safe Anti-Aging Skin Treatments
J. Savić, A. Božić, J. Arsić, D. Brkić, M. Stamenović

P3.28 Low light Stress Modulates Redox Metabolism in *Chlamydomonas acidophila* Pm01
F. Sekereš, J. Danilović Luković, I. Santrač, V. Ćurić, M. Tanović, M. Žižić, M. Dimitrijević, S. Kovačević, M. Stanić, I. Spasojević

P3.29 Cloning and Expression of a Recombinant Monovalent Anti-TNT scFv Antibody
M. Simonović, A. Radulović, I. Vuković, V. Nešić, M. Jovanović

P3.30 Selective Uptake and Biosorption of Rare Earth Elements in *Chlamydomonas acidophila* Strains
M. Tanović, M. Dimitrijević, M. Stanić, M. Žižić, J. Danilović Luković, S. Kovačević, I. Santrač, V.Ćurić, I. Spasojević

P3.31 Use of Cosmetic and Wellness Treatments Among Young Adults
M. Trajkov, G. Grbić, Lj. Šimpraga

P3.32 The use of cosmetic products in massage therapy
M. Trajkov, D. Marinović, I. Mitrović

P3.33 Synthesis and Characterization of Chitosan/Starch/Gelatin Composite Hydrogels Reinforced with Calcium Hydroxyapatite for Biomedical Applications
N. Urošević, V. Ugrinović, Đ. Veljović

P3.34 Influence of extraction solvent on different parts of Galanthus nivalis L. for antioxidant properties
V. Veličković, G. Đelić, A. Ćirić, M. Pavlović, M. Luković

P3.35 Taxifolin inhibits endovascular differentiation of human trophoblast cells
A. Vilotić, G. Ilić, A. Pirković, M. Jovanović Krivokuća

P3.36 Disruption of Monoamine Oxidase Enzymes by SARS-CoV-2 Spike Protein: From Molecular Insights to Potential Health Implications
L. Vrban Đerek, J. Mavri, R. Vianello

Selective Uptake and Biosorption of Rare Earth Elements in *Chlamydomonas acidophila* Strains

M. Tanović, M. Dimitrijević, M. Stanić, M. Žižić, J. Danilović Luković, S. Kovačević, I. Santrač, V. Ćurić, I. Spasojević
University of Belgrade , Institute for Multidisciplinary Research, National Institute of the Republic of Serbia, Life Sciences Department
mtanovic@imsi.bg.ac.rs

Rare earth elements (REEs) are essential for advanced technologies, including electronics, renewable energy, and catalysis, yet their recovery is challenging due to low natural concentrations and chemical similarity among elements [1]. Selected microalgal strains may serve the purpose selective uptake and separation of REEs from complex aqueous matrices[1]. Acidophilic microalgae are particularly suitable for REE bio-extraction, as they can grow under low pH conditions in which REEs remain soluble and bioavailable. The species *Chlamydomonas acidophila* exhibits high tolerance to acidic environments at pH values as low as 1.5. This study aimed to evaluate the uptake capacity and the ability to preferentially accumulate individual REEs from a mixture in two *C. acidophila* strains (136 and PM01 isolated from two acid mines tailing ponds). Both strains were cultured in MAM medium at pH 3 and treated with a mixture of La, Ce, Pr, Eu, Sm, and Tb (0.2 mM each). After 24 h of treatment, biomass was collected and washed three times with deionized water or 1 mM EDTA (extracellular metal chelator) to distinguish between metals bound to the cell wall and metals accumulated inside the cell. ICP-OES analysis showed that all analyzed metals bind to the cell wall but are also accumulated intracellularly. Both strains preferentially accumulated Ce, Pr, and Eu, demonstrating selective interactions with specific REEs. Discrimination between Eu^{3+} and Sm^{3+} is of particular importance since these show very close ionic radii and are very hard to separate using conventional approaches [2]. These results demonstrate the importance of resolving surface-bound versus intracellular metals, highlighting the dominant role of cell wall interactions in apparent REE accumulation, and support the potential of acidophilic microalgae as efficient and selective biological systems for REE recovery from complex environments.

Acknowledgements

This study was supported by the Ministry of Science and Technological Development of Serbia and the Science Fund of the Republic of Serbia and #7078– BioSynthClust.

References

1. Vítová, M., Mezricky, D. (2024). Microbial recovery of rare earth elements from various waste sources: a mini review with emphasis on microalgae. *World Journal of Microbiology and Biotechnology*, *40*(6), 189.
2. Li, X. Z., Zhou, L. P., Yan, L. L., Dong, Y. M., Bai, Z. L., Sun, X. Q., Diwu, J., Wang, S., Bünzli, J. C., Sun, Q. F. (2018). A supramolecular lanthanide separation approach based on multivalent cooperative enhancement of metal ion selectivity. *Nature communications*, *9*(1), 547.

Marija Tanović - 0000-0002-4363-7824, Milena Dimitrijević - 0000-0003-1659-5945, Marina Stanić - 0000-0002-2779-7932, Milan Žižić - 0000-0003-1268-6698, Jelena Danilović Luković - 0000-0003-2411-5032, Snežana Kovačević - 0000-0002-0970-1511, Isidora Santrač - 0000-0001-8533-4250, Valentina Ćurić - 0009-0003-1588-6748, Ivan Spasojević - 0000-0002-3150-3087

Low light Stress Modulates Redox Metabolism in *Chlamydomonas acidophila* PM01

F. Sekereš, J. Danilović Luković*, I. Santrač, V. Ćurić, M. Tanović, M. Žižić, M. Dimitrijević, S. Kovačević, M. Stanić, I. Spasojević
University of Belgrade, Institute for Multidisciplinary Research, National Institute of the Republic of Serbia, Life Sciences Department
ognjana@imsi.bg.ac.rs

Light stress is a key factor in activating the antioxidative system in microalgae. Under intense light conditions, the reactive oxygen species (ROS) formation can lead to impairment of cellular structures [1]. Less is known about stress induced by low light conditions. *Chlamydomonas acidophila* is a microalga that thrives in acidic environments and exhibits unique adaptations in its photosynthetic processes [2]. In this study, we aimed to investigate the effect of reduced light intensity on ROS content and cell viability in the culture of *Chlamydomonas acidophila* strain PM01 during the early stationary growth phase. After 15 days of cultivation under optimal conditions, the culture was exposed to a two-fold lower light intensity for 1 h and 24 h. A slight increase in ROS levels was observed following 1 hour after treatment, followed by more pronounced rise after 24 hours. This did not affect cell culture viability, as the proportion of live cells remained above 90%. Acidophilic strains exhibit an enhanced capacity to regulate electron transport rates, likely reducing electron leakage and ROS formation under stress conditions [3], or accumulate high concentrations of lutein, a carotenoid with antioxidant properties, when exposed to different carbon sources and light conditions [4]. Our results show that short-term exposure to reduced light increases ROS level in *Chlamydomonas acidophila* PM01 without affecting viability, reflecting robust antioxidative regulation. These adaptive mechanisms could be harnessed in biotechnology for production of biomass under suboptimal environmental conditions.

Acknowledgements

This study was supported by the Ministry of Science and Technological Development of Serbia and the Science Fund of the Republic of Serbia and #7078– BioSynthClust.

References:

1. Murata, N., Takahashi, S., Nishiyama, Y., & Allakhverdiev, S. I. (2007). Photoinhibition of photosystem II under environmental stress. *Biochimica et Biophysica Acta - Bioenergetics*, *1767*(6), 414–421.
2. Flexas, J., Bota, J., Galmés, J., Medrano, H., & Ribas-Carbó, M. (2006). Keeping a positive carbon balance under adverse conditions: responses of photosynthesis and respiration to water stress. *Plant, Cell & Environment*, *29*(3), 347–369.
3. Zhan, D., Liu, Y., Yu, N., & Hao, C. (2024). Photosynthetic response of *Chlamydomonas reinhardtii* and *Chlamydomonas* sp. 1710 to zinc toxicity. *Frontiers in Microbiology*, *15*, 1383360.
4. Del Campo, J. A., García-González, M., & Guerrero, M. G. (2008). Effect of abiotic stress on the production of lutein and β-carotene by *Chlamydomonas acidophila*. *Process Biochemistry*, 43(10), 1158–1161.

F. Sekereš - 0009-0006-3691-7445, J. Danilović Luković - 0000-0003-2411-5032, I. Santrač - 0000-0001-8533-4250, V. Ćurić - 0009-0003-1588-6748, Marija Tanović - 0000-0002-4363-7824, M. Žižić - 0000-0003-1268-6698, M. Dimitrijević - 0000-0003-1659-5945, S. Kovačević - 0000-0002-0970-1511, M. Stanić - 0000-0002-2779-7932, I. Spasojević - 0000-0002-3150-3087