

Peer reviewed publications

1. Garg A, Jers C, Hwang HJ, Kalantari A, Ventura I, **Mijakovic I** (2023) Engineering *Bacillus subtilis* for production of 3-hydroxypropanoic acid. *Front Bioeng Biotechnol*, in press.
2. Svetlicic E, Jaén-Luchoro D, Sauerborn Klobucar R, Jers C, Kazazic S, Franjevic D, Klobucar G, Shelton BG, **Mijakovic I** (2023) Genomic characterization and assessment of pathogenic potential of *Legionella* spp. isolates from environmental monitoring. *Front Microbiol* 13: 5404.
3. Acet Ö, Dikici E, Acet BÖ, Odabaşı M, **Mijakovic I**, Pandit S (2023) Inhibition of bacterial adhesion by epigallocatechin gallate attached polymeric membranes. *Colloids Surf B Biointerfaces* 221: 113024.
4. Ravikumar V, **Mijakovic I**, Pandit S (2022) Antimicrobial activity of graphene oxide contributes to alteration of key stress-related and membrane bound proteins. *Int J Nanomedicine*, 17: 6707-6721.
5. Khan F, Jeong GJ, Singh P, Tabassum N, **Mijakovic I**, Kim YM (2022) Retrospective analysis of the key molecules involved in the green synthesis of nanoparticles. *Nanoscale* 14: 14824-14857.
6. Eswaran M, Chokkiah B, Pandit S, Rahimi S, Dhanusuraman R, Aleem M, **Mijakovic I** (2022) A road map towards field-effect transistor biosensor technology for early-stage cancer detection. *Small Methods* 6: 2200809.
7. Yang Y, Qu L, **Mijakovic I**, Wei Y (2022) Advances in the human skin microbiota and its roles in cutaneous diseases. *Microb Cell Fact* 21: 176.
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10. Singh P, **Mijakovic I** (2022) Green synthesis and antibacterial applications of gold and silver nanoparticles from *Ligustrum vulgare* berries. *Sci Rep* 12: 7902.
11. Jiang S, Tang J, Rahimi S, **Mijakovic I**, Wei Y (2022) Efficient treatment of industrial wastewater with microbiome and synthetic biology. *Front Environ Sci* 10: 902926.
12. Singh P, **Mijakovic I** (2022) Antibacterial effect of silver nanoparticles is stronger if the production host and the targeted pathogen are closely related. *Biomedicines* 10: 628.
13. Singh P, **Mijakovic I** (2022) Strong antimicrobial activity of silver nanoparticles obtained by green synthesis in *Viridibacillus* sp. extracts. *Front Microbiol* 13: 820048.
14. Balusamy SR, Rahimi S, Sukweenadhi J, Sunderraj S, Shanmugam R, Thangavelu, L, **Mijakovic I**, Perumalsamy H (2022) Chitosan, chitosan nanoparticles and modified chitosan biomaterials, a potential tool to combat salinity stress in plants. *Carbohydr Polym* 284: 119189.
15. Neissi A, Rafiee G, Rahimi S, Farahmand H, Pandit S, **Mijakovic I** (2022) Enriched microbial communities for ammonium and nitrite removal from recirculating aquaculture systems. *Chemosphere* 295: 133892.
16. Sun J, Rattanasawatesun T, Tang P, Bi Z, Pandit S, Lam L, Wasén C, Erlandsson M, Bokarewa M, Dong J, Ding F, Xiong F, **Mijakovic I** (2022) Insights into the mechanism for vertical graphene growth by plasma-enhanced chemical vapor deposition. *ACS Appl Mater Interfaces* 14: 7152-7160.
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18. **Mijakovic I** (2021) Fantastic science and where to find it. *Period Biol* 123: 45-47.
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20. Chen Y, Pandit S, Rahimi S, **Mijakovic I** (2021) Interactions between graphene-based materials and biological surfaces: a review of underlying molecular mechanisms. *Adv Mater Interfaces* 2101132.
21. Pandit S, Konzock O, Leistner K, Mokkaapati VRSS, Merlo A, Sun J, **Mijakovic I** (2021) Graphene coated magnetic nanoparticles facilitate the release of biofuels and oleochemicals from yeast cell factories. *Sci Rep* 11: 20612.
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31. Motwalli O, Uludag M, **Mijakovic I**, Alazmi Meshari, Bajic V, Gojobori T, Gao Xin, Essack M (2020) PATHcre8: A tool that facilitates the searching for heterologous biosynthetic routes. *ACS Synth Biol* 9: 3217-3227.
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Book chapters:

1. Rahimi S, Mohanan P, Zhang D, Jung KH, Yang DC, **Mijakovic I**, Kim YJ (2021) Metabolic Dynamics and Ginsenoside Biosynthesis. *The Ginseng Genome*. Springer International Publishing. 121-141.

Patents:

1. Kádár R, **Mijakovic I**, Gaska K, Pandit S, Svensson M. (2022) Antibacterial article comprising a polymer matrix with aligned nanoscale flakes of platelets. US Patent App. 17/597, 290.
2. Kádár R, **Mijakovic I**, Gaska K, Pandit S, Svensson M. (2021) Method for producing antibacterial surface provided on surface of device/article e.g., coating, involves providing surface of processed mixture which is oriented essentially to longitudinal directions of nanoscale flakes. Patent Number: WO2021001149-A1; EP3760243-A1. Patent Assignee: DENTSPLY IH AB(DENX-C)