

Peer reviewed publications

1. Zhang J, Singh P, Cao Z, Rahimi S, Pandit S, **Mijakovic I** (2023) Polydopamine/graphene oxide coatings loaded with tetracycline and green Ag nanoparticles for effective prevention of biofilms. *Appl Surf Sci* 626: 157221.
2. Eswaran M, Rahimi S, Pandit S, Chokkiah B, **Mijakovic I** (2023) A flexible multifunctional electrode based on conducting PANI/Pd composite for non-enzymatic glucose sensor and direct alcohol fuel cell applications. *Fuel* 345: 128182.
3. Balusamy SR, Perumalsamy H, Huq A, Yoon TH, **Mijakovic I**, Thangavelu L, Rahimi S (2023) A comprehensive and systemic review of ginseng-based nanomaterials: synthesis, targeted delivery, and biomedical applications. *Med Res Rev*, in press.
4. Rahimi S, van Leeuwen D, Roshanzamir F, Pandit S, Shi L, Sasanian N, Nielsen J, Esbjörner EK, **Mijakovic I** (2023) Ginsenoside Rg3 reduces the toxicity of graphene oxide used for delivery of doxorubicin to liver and breast cancer cells. *Pharmaceutics* 15: 391.
5. More PR, Pandit S, De Filippis A, Franci G, **Mijakovic I**, Galdiero M (2023) Silver nanoparticles: applications in the field of biomedicine. *Microorganisms* 11: 369.
6. Garg A, Jers C, Hwang HJ, Kalantari A, Ventina I, **Mijakovic I** (2023) Engineering *Bacillus subtilis* for production of 3-hydroxypropanoic acid. *Front Bioeng Biotechnol*, 11: 1101232.
7. 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.
8. Svetlicic E, Jaén-Luchoro D, Sauerborn Klobucar R, Jers C, Kazazic S, Franjevic D, Klobucar G, Shelton BG, **Mijakovic I** (2022) Genomic characterization and assessment of pathogenic potential of *Legionella* spp. isolates from environmental monitoring. *Front Microbiol* 13: 5404.
9. 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.
10. 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.
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12. 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.
13. Khan F, Singh P, Joshi AS, Tabassum N, Bamunuarachchi NI, **Mijakovic I**, Kim YM. (2022) Multiple potential strategies for the application of nisin and derivatives. *Crit Rev Microbiol* 23: 1-30.
14. Rahimi S, Chen Y, Zareian M, Pandit S, **Mijakovic I** (2022) Cellular and subcellular interactions of graphene-based materials with cancerous and non-cancerous cells. *Adv Drug Deliv Rev* 189: 114467.
15. Singh P, **Mijakovic I** (2022) Green synthesis and antibacterial applications of gold and silver nanoparticles from *Ligustrum vulgare* berries. *Sci Rep* 12: 7902.
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46. Shi L, Derouiche A, Pandit S, Rahimi S, Kalantari A, Mokkalapati VRSS, Futo A, Ravikumar V, Jers C, Vlahoviček K, **Mijakovic I** (2020) Evolutionary analysis of the *Bacillus subtilis* genome reveals new genes involved in sporulation. *Mol Biol Evol* 37: 1667-1678.
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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)