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- 1. **Mijakovic I** (2021) Fantastic science and where to find it. Period Biol: in press.
- 2. 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, in press.
- 3. Pandit S, Konzock O, Leistner K, Mokkapati 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.
- 4. Helalat SH, Jers C, Bebahani M, Mohabatkar H, **Mijakovic I** (2021) Metabolic engineering of *Deinococcus radiodurans* for pinene production from glycerol. Microb Cell Fact 20:187.
- 5. Singh P, Pandit S, Jers C, Joshi AS, **Mijakovic I** (2021) Silver nanoparticles produced from Cedecea sp. exhibit antibiofilm activity and remarkable stability. Sci Rep 11: 12619.
- 6. Singh P, **Mijakovic I** (2021) Advances in gold nanoparticle technology as a tool for diagnostics and treatment of cancer. Exp Rev Mol Diagn 3: 1-4.
- 7. Pandit S, Rahimi S, Derouiche A, Boulaoued A, **Mijakovic I** (2021) Sustained release of usnic acid from graphene coatings ensures long term antibiofilm protection. Sci Rep 11: 9956.
- 8. Sultan A, Jers C, Ganief TA, Shi L, Senissar M, Køhler JB, Macek B, **Mijakovic I** (2021) Phosphoproteome study of *Escherichia coli* devoid of Ser/Thr kinase YeaG during the metabolic shift from glucose to malate. Front Microbiol 12: 771.
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- 13. 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.
- 14. Joshi AS, Singh P, **Mijakovic I** (2020) Interactions of gold and silver nanoparticles with bacterial biofilms: molecular interactions behind inhibition and resistance. Int J Mol Sci 21: 7658.
- Pandit S, Fazilati M, Gaska K, Derouiche A, Nypelö T, Mijakovic I, Kádár R (2020) The exopolysaccharide component of extracellular matrix is essential for the viscoelastic properties of Bacillus subtilis biofilms. Int J Mol Sci 21: 6755.
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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:

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. Kadar R, Mijakovic I, Gaska
K, Pandit S, Svensson M. Patent Assignee: DENTSPLY IH AB(DENX-C)