

## List of publications

1. Aminian-Dehkordi J, Mousavi SM, Jafari A, **Mijakovic I**, Marashi SA (2019) A manually curated genome-scale reconstruction of the metabolic network in *Bacillus megaterium* DSM319. Sci Rep, in press.
2. Pandit S, Gaska K, Mokkapati VRSS, Forsberg S, Svensson M, Kádár R, **Mijakovic I** (2019) Antibacterial effect of boron nitride flakes with controlled orientation in polymer composites. RSC Adv 9: 33454-33459.
3. Macek B, Forchhammer K, Hardouin J, Weber-Ban E, Grangeasse C, **Mijakovic I** (2019) Protein post-translational modifications in bacteria. Nat Microbiol Rev 17: 651-664.
4. Rahimi S, Kim YJ, Kim J, **Mijakovic I**, Jung K (2019) Triterpenoid-biosynthetic UDP-glycosyltransferases from plants. Biotechnol Adv 7: 124..
5. Othoum G, Bougouffa S, Bokhari A, Lafi FF, Gojobori T, Hirt H, **Mijakovic I**, Bajic VB, Essack M (2019) Mining biosynthetic gene clusters in *Virgibacillus* genomes. BMC Genomics 20: 696.
6. Xu L, WenY, Pandit S, Mokkapati VRSS, **Mijakovic I**, Li Y, Ding M, Ren S, Li W, Liu G (2019) Graphene-based biosensors for the detection of prostate cancer protein biomarkers: a review. BMC Chemistry 13: 112.
7. Jers C, Kalantari A, Garg A, **Mijakovic I** (2019) Production of 3-hydroxypropanoic acid from glycerol by metabolically engineered bacteria. Front Bioeng Biotechnol 7:124.
8. Gaska K, Kádár R, Xu X, Gubanski S, Müller C, Pandit S, Mokkapati VRSS, **Mijakovic I**, Rybak A, Siwek A, Svensson M (2019) Highly structured graphene polyethylene nanocomposites. AIP Conf Proc 2065: 030061.
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10. Singh P, Garg A, Pandit S, Mokkapati VRSS, **Mijakovic I** (2018) Antimicrobial effects of biogenic nanoparticles. Nanomaterials 8: 1009.
11. Ravikumar V, Nalpas N, Anselm V, Krug K, Lenuzzi M, Šestak MS, Domazet-Lošo T, **Mijakovic I**, Macek B (2018) In-depth analysis of *Bacillus subtilis* proteome identifies new ORFs and traces the evolutionary history of modified proteins. Sci Rep 8: 17246.
12. Mokkapati VRSS, Pandit S, Kim J, Lovmar M, Westerlund F, **Mijakovic I** (2018) Antibacterial activity of graphene oxide and reduced graphene oxide integrated in agar plates. Royal Soc Open Sci 5: 181083.
13. Singh P, Pandit S, Beshay M, Mokkapati VRRS, Garnæs J, Olsson M, Sultan A, Mackevica A, Mateiu RV, Lütken HV, Daugaard A, Baun A, **Mijakovic I** (2018) Anti-biofilm effects of gold and silver nanoparticles synthesized by the *Rhodiola rosea* rhizome extracts. Artif Cells Nanomed Biotechnol 13: 1-14.
14. Motwalli O, Essack M, Salhi A, Hanks J, **Mijakovic I**, Bajic VB (2018) BioPS: System for screening and assessment of biofuel-production potential of cyanobacteria. PLoS One 13: e0202002.
15. Merlo A, Mokkapati VRSS, Pandit S, **Mijakovic I** (2018) Boron nitride nanomaterials: biocompatibility and bio-applications. Biomater Sci 6: 2298-2311.
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17. Cantatore V, Pandit S, Mokkapati VRSS, Schindler S, Eigler S, **Mijakovic I**, Panas I (2018) Modeling of a novel graphene based selective bio-sensor for glucose. *Carbon* 137: 343-348.
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27. Avaz S, Roy RB, Mokkapati VRSS, Bozkurt A, Pandit S, **Mijakovic I**, Menciloglu YZ (2017) Graphene based nanosensor for aqueous phase detection of nitroaromatics. *RSC Adv* 7: 25519-25527.
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34. Derouiche A, Shi L, Kalantari A, **Mijakovic I** (2016) Substrate specificity of the *Bacillus subtilis* BY-kinase PtkA is controlled by alternative activators: TkmA and SalA. *Front Microbiol* 7: 1525.
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