

## List of publications

1. Shi L, Derouiche A, Pandit S, Rahimi S, Kalantari A, Mokkapati 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*, in press.
2. Huang C, Gonzales-Lopez C, Henry C, **Mijakovic I**, Ryan K (2020) HipBA toxin-antitoxin systems and persistence in *Caulobacter crescentus*. *Sci Rep*, in press.
3. Pandit S, Gaska K, Mokkapati VRSS, Svensson M, Forsberg S, Kádár R, **Mijakovic I** (2020) Pre-controlled alignment of graphite nanoplatelets in polymeric composites prevents bacterial attachment. *Small*, e1904756.
4. Othoum G, Prigent S, Derouiche A, Shi L, Bokhari A, Alamoudi S, Bougouffa S, Gao X, Hoehndorf R, Arold S, Gojbori T, Hirt H, Lafi F, Nielsen J, Bajic V, **Mijakovic I**, Essack M (2019) Comparative genomics study reveals Red Sea *Bacillus* with characteristics associated with potential microbial cell factories (MCFs). *Sci Rep* 9, 1:13.
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6. 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.
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8. Rahimi S, Kim YJ, Kim J, **Mijakovic I**, Jung K (2019) Triterpenoid-biosynthetic UDP-glycosyltransferases from plants. *Biotechnol Adv* 7: 124..
9. Othoum G, Bougouffa S, Bokhari A, Lafi FF, Gojbori T, Hirt H, **Mijakovic I**, Bajic VB, Essack M (2019) Mining biosynthetic gene clusters in *Virgibacillus* genomes. *BMC Genomics* 20: 696.
10. Xu L, Wen Y, 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.
11. 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.
12. 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.
13. Shi L, Cavagnino A, Rabefiraisana JL, Lazar N, de la Sierra-Gallay IL, Ochsenbein F, Valerio-Lepiniec M, Urvoas A, Minard P, **Mijakovic I**, Nessler S (2019) Structural analysis of the Hanks-type protein kinase YabT from *Bacillus subtilis* provides new insights in its DNA-dependent Activation. *Front Microbiol* 9: 3014.
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19. Merlo A, Mokkapati VRSS, Pandit S, **Mijakovic I** (2018) Boron nitride nanomaterials: biocompatibility and bio-applications. *Biomater Sci* 6: 2298-2311.
20. Singh P, Pandit S, Mokkapati VRSS, Garg A, Ravikumar V, **Mijakovic I** (2018) Gold nanoparticles in diagnostics and therapeutics for human cancer. *Int J Mol Sci* 19: 1979.
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