

### **Advances in nanomaterials induced biohydrogen production using waste biomass**

Srivastava, Neha; Srivastava, Manish; Mishra, Pradeep Kumar; Kausar, Mohd Adnan; Saeed, Mohd; **Gupta, Vijai Kumar**; Singh, Rajeev; Ramteke, Pramod Wasudeo Bioresource Technology 2020 / art. 123094 <https://doi.org/10.1016/j.biortech.2020.123094> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Amphiphilic glycosylated block copolypeptides as macromolecular surfactants in the emulsion polymerization of styrene**

Jacobs, Jaco; **Gathergood, Nicholas**; Heuts, Johan P. A.; Heise, Andreas Polymer chemistry 2015 / p. 4634-4640 : ill <https://doi.org/10.1039/C5PY00548E> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The analysis of finger photoplethysmographic waveform in healthy volunteers and diabetes patients [Electronic resource]**

**Pilt, Kristjan; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus** IFMBE proceedings ; Vol. 38 2013 / p. 55-58 : ill [CD-ROM] [https://doi.org/10.1007/978-3-642-34197-7\\_14](https://doi.org/10.1007/978-3-642-34197-7_14) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Analysis of instantaneous cardiac EBI signal variability over the heart cycle(s) : non-linear time-scale approach**

**Krivošei, Andrei; Min, Mart; Annus, Paul; Kõiv, Hip**; Aabloo, Alvo; Uuetoa, Tiina EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 940-943 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_235](https://doi.org/10.1007/978-981-10-5122-7_235) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **ANAMMOX-denitrification biomass in microbial fuel cell to enhance the electricity generation and nitrogen removal efficiency**

Zekker, Ivar; Bhowmick, Gourav Dhar; Priks, Hans; Nath, Dibyojyoty; Rikmann, Ergo; **Jaagura, Madis** Biodegradation 2020 / p. 249 - 264 <https://doi.org/10.1007/s10532-020-09907-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Assessment of associations between arterial mechanical properties and biochemical blood markers for early detection of atherosclerosis**

Kööts, Kristina; **Pilt, Kristjan**; Sepa, Madis; Pikta, Marika; **Fridolin, Ivo; Meigas, Kalju; Viigimaa, Margus** 8th European Medical and Biological Engineering Conference : proceedings of the EMBEC 2020, November 29 – December 3, 2020 Portorož, Slovenia 2021 / p. 121-129 [https://doi.org/10.1007/978-3-030-64610-3\\_15](https://doi.org/10.1007/978-3-030-64610-3_15) [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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### **Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3)**

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### **Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel**

**Annus, Paul; Priidel, Eiko; Land, Raul; Metshein, Margus; Krivošei, Andrei; Min, Mart; Ratassepp, Madis; Märten, Olev** 8th European Medical and Biological Engineering Conference : Proceedings of the EMBEC 2020, November 29 - December 3, 2020 Portorož, Slovenia 2021 / p. 151-157 [https://doi.org/10.1007/978-3-030-64610-3\\_18](https://doi.org/10.1007/978-3-030-64610-3_18) [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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### **Biotechnological advances for restoring degraded land for sustainable development**

Tripathi, Vishal; Edrisi, Sheikh Adil; Chen, Bin; **Gupta, Vijai Kumar; Vilu, Raivo; Gathergood, Nicholas**; Abhilash, P.C. Trends in biotechnology 2017 / p. 847-859 : ill <https://doi.org/10.1016/j.tibtech.2017.05.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### **Classification algorithm improvement for physical activity recognition in maritime environments**

**Allik, Ardo; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Leier, Mairo; Jervan, Gert** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 3) 2019 / p. 13-17 [https://doi.org/10.1007/978-981-10-9023-3\\_3](https://doi.org/10.1007/978-981-10-9023-3_3) [Conference proceeding Article at Scopus](#) [Article at WOS](#)

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### **Comparison of sulfate-reducing and conventional Anammox upflow anaerobic sludge blanket reactors**

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### **Construction of gender-specific regression models for aortic length estimation based on computed tomography images**

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### **A COST Action on microbial responses to low pH : developing links and sharing resources across the academic-industrial divide**

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### **Decomposing of cardiac and respiratory signals from electrical bio-impedance data using filtering method**

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### **Droplet-based methods for tackling antimicrobial resistance**

Ruszczak, Artur; **Bartkova, Simona;** Zapotoczna, Marta; **Scheler, Ott;** Garstecki, Piotr Current opinion in biotechnology 2022 / art. 102755 <https://doi.org/10.1016/j.copbio.2022.102755> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **EEG functional connectivity detects seasonal changes**

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**Effect of log soaking and the temperature of peeling on the properties of rotary-cut birch (Betula pendula Roth) veneer bonded with phenol-formaldehyde adhesive**  
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**Efficient dark fermentative hydrogen production from enzyme hydrolyzed rice straw by Clostridium pasteurianum (MTCC116)**  
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**Endolichenic Fungi: a hidden reservoir of next generation biopharmaceuticals**  
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**Enhanced efficiency of hybrid amorphous silicon solar cells based on single-walled carbon nanotubes and polymer composite thin film**  
Rajanna, Pramod M.; Gilshteyn, Evgenia P.; Yagafarov, Timur; Alekseeva, Alena A.; Anisimov, Anton S.; Neumüller, Alex; Sergeev, Oleg; **Bereznev, Sergei; Maricheva, Jelena;** Nasibulin, Albert Nanotechnology 2018 / 10 p. : ill <https://doi.org/10.1088/1361-6528/aaa647> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Enrichment of Plasticicumulans acidivorans at pilot-scale for PHA production on industrial wastewater**  
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**Hemodialysis optical monitoring toward greener technology : a potential for water saving dialysis treatment**

Leis, Liisi; Adoberg, Annika; Paats, Joosep; Holmar, Jana; Arund, Jürgen; Karai, Deniss; Luman, Merike; Pilt, Kristjan; Taklaja, Paul; Tanner, Risto; Fridolin, Ivo 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : Proceedings of NBC 2023, June 12–14, 2023, Liepaja, Latvia 2023 / p. 162 - 171 [https://doi.org/10.1007/978-3-031-37132-5\\_21](https://doi.org/10.1007/978-3-031-37132-5_21)  
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**Hybrid graphene-ceramic nanofibre network for spontaneous neural differentiation of stem cells**

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**Immunodetection of Streptococcus uberis pathogen in raw milk**

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**Influence of acute mental stress on the forehead photoplethysmographic signal waveform**

Pilt, Kristjan; Karai, Deniss; Bachmann, Maie; Gavriljuk, Marietta; Fridolin, Ivo 19th Nordic-Baltic conference on biomedical engineering and medical physics : proceedings of NBC 2023, June 12-14, 2023, Liepaja, Latvia 2023 / p. 181 - 188  
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**Influence of birch false heartwood on the physical and mechanical properties of wood-plastic composites**

Kallakas, Heikko; Ayansola, Gbenga; Tumanov, Tanel; Goljandin, Dmitri; Poltimäe, Triinu; Krumme, Andres; Kers, Jaan *Bioresources* 2019 / p. 3554-3566 : ill <https://doi.org/10.15376/biores.14.2.3554-3566> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Interaction of firefly luciferase and silver nanoparticles and its impact on enzyme activity**

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**Investigation of mechanical and physicochemical properties of clinically retrieved titanium-niobium orthodontic archwires**

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**Investigation of photoplethysmographic signal augmentation index estimation differences between fingers**

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**Ionic liquid based pretreatment of lignocellulosic biomass for enhanced bioconversion**

Usmani, Zeba; Sharma, Minaxi; Gupta, Pratishtha; Karpichev, Yevgen; Gathergood, Nicholas; Bhat, Rajeev; Gupta, Vijai Kumar *Bioresource technology* 2020 / art. 123003, 13 p <https://doi.org/10.1016/j.biortech.2020.123003> [Journal metrics at Scopus](#) [Article at](#)

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**Long-term stability of EEG spectral asymmetry index - preliminary study**

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