

### **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**; **Anus, 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, Dibyojyoti; 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](#)

### **Assessment of blood contamination in biological fluids using MALDI-TOF MS**

**Laks, Katrina**; **Kirsipuu, Tiina**; **Dmitrijeva, Tuuli**; **Salumets, Andres**; **Palumaa, Peep** The protein journal 2016 / 171-176 <https://doi.org/10.1007/s10930-016-9657-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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**

**Anus, Paul**; **Priidel, Eiko**; **Land, Raul**; **Metshein, Margus**; **Krivošei, Andrei**; **Min, Mart**; **Ratassepp, Madis**; **Märtens, 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](#)

### **Automatic tolerance analysis of permanent magnet machines with encapsulated FEM Models using Digital-Twin-Distiller**

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### **Bioinspired and multifunctional tribological materials for sliding, erosive, machining, and energy-absorbing conditions : A review**

**Kumar, Rahul**, 1993-; **Rezapourianghahfarokhi, Mansoureh**; Rahmani Ahranjani, Ramin; **Maurya, Himanshu Singh**; **Kamboj, Nikhil Kumar**; **Hussainova, Irina** Biomimetics 2024 / art. 209 <https://doi.org/10.3390/biomimetics9040209> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bioinspired whisker sensor for 3D mapping of underground mining environments**

Gomez, Virgilio; **Remmas, Mohamed Walid**; Hernando, Miguel; **Ristolainen, Asko**; Rossi, Claudio Biomimetics 2024 / art. 83 <https://doi.org/10.3390/biomimetics9020083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact**

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

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**Can removal of middle molecular uremic retention solutes be estimated by UV-absorbance measurements in spent dialysate?**

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**Characterization of new allele influencing flowering time in bread wheat introgressed from *Triticum militinae***

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

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**Coating with microbial hydrophobins : a novel approach to develop smart drug nanoparticles**

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**Co-digestion of sewage sludge and sterilized solid slaughterhouse waste : methane production efficiency and process limitations**

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**Co-gasification of biomass and oil shale under CO<sub>2</sub> atmosphere : comparative analysis of fixed-bed reactor, gas chromatography and thermogravimetric analysis coupled with mass spectroscopy (TGA-MS)**

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

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**Concepts and criteria defining emerging microbiome applications**

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

**Zemtsovskaja, Galina; Pilt, Kristjan**; Samarin, Andrei; **Albina, Jelena; Meigas, Kalju; Viigimaa, Margus** Health and technology 2020 / p. 679–687 : ill <https://doi.org/10.1007/s12553-019-00391-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Controllable limiter of signal amplitudes for bioimpedance measurements**

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

Azizi, Tamir; Carvalho De Araujo, Laurine; Cetecioglu, Zeynep; Clancy, Aisha J.; Feger, Marie L.; Liran, Oded; O'Byrne, Conor; **Sanka, Immanuel; Scheler, Ott**; Sedlakova-Kadukova, Jana; Ziv, Carmit; De Biase, Daniela; Lund, Peter A. New biotechnology 2022 / p. 64-70 <https://doi.org/10.1016/j.nbt.2022.09.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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### **Dependence of the EEG nonlinear coupling on the frequency bands and the segment lengths**

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

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

**Päeske, Laura; Bachmann, Maie; Raik, Jaan; Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 237-240 [https://doi.org/10.1007/978-981-10-9038-7\\_44](https://doi.org/10.1007/978-981-10-9038-7_44) [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **EEG spectral asymmetry index detects differences between leaders and non-leaders**

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### **EEG spectral asymmetry index for detection of depression at individual and fixed frequency bands [Electronic resource]**

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### **EEG spectral asymmetry is dependent on education level of men**

**Pöld, Toomas; Bachmann, Maie; Päeske, Laura; Kalev, Kaia; Lass, Jaanus; Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 405–408 [https://doi.org/10.1007/978-981-10-9038-7\\_76](https://doi.org/10.1007/978-981-10-9038-7_76) [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Effect of coffee on EEG spectral asymmetry**

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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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**Electroencephalography as an objective indicator of stress**

**Gavriljuk, Marietta; Uudeberg, Tuuli; Pilt, Kristjan; Karai, Deniss; Fridolin, Ivo; Bachmann, Maie** 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : Proceedings of NBC 2023, June 12–14, 2023, Liepaja, Latvia 2023 / p. 221–226 [https://doi.org/10.1007/978-3-031-37132-5\\_28](https://doi.org/10.1007/978-3-031-37132-5_28) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Endolichenic Fungi: a hidden reservoir of next generation biopharmaceuticals**

**Singh, Brahma N.; Upreti, Dalip K.; Gupta, Vijai Kumar; Dai, Xiao-Feng; Jiang, Yueming** Trends in biotechnology 2017 / p. 808-813 <https://doi.org/10.1016/j.tibtech.2017.03.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Energy production from steam gasification processes and parameters that contemplate in biomass gasifier – a review**

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**Engineered microbial host selection for value-added bioproducts from lignocellulose**

**Paula, Renato Graciano de; Antoniêto, Amanda Cristina Campos; Gupta, Vijai Kumar** Biotechnology Advances 2019 / art. 107347, 18 p. : ill <https://doi.org/10.1016/j.biotechadv.2019.02.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Enhanced expression of human prostaglandin H synthase-2 in the yeast Pichia pastoris and removal of the C-terminal tag with bovine carboxypeptidase A**

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**Enhancement of photoluminescence of GaAsBi quantum wells by parabolic design of AlGaAs barriers**

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**Enhancing grid-forming converters control in hybrid AC/DC microgrids using bidirectional virtual inertia support**

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**Enrichment of Plasticicumulans acidivorans at pilot-scale for PHA production on industrial wastewater**

**Tamis, Jelmer; Lužkov, Kätlin; Jiang, Yang; Loosdrecht, Mark C.M. van; Kleerebezem, Robbert** Journal of biotechnology 2014 / p. 61-169 : ill <https://doi.org/10.1016/j.jbiotec.2014.10.022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Erratum to: Assessment of Blood Contamination in Biological Fluids Using MALDI-TOF MS (Protein J, 10.1007/s10930-016-9657-y)**

**Laks, Katrina; Kirsipuu, Tiina; Dmitrijeva, Tuuli; Salumets, Andres; Palumaa, Peep** Protein Journal 2016 / p. 177 - 178 <https://doi.org/10.1007/s10930-016-9660-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluating the changes in the functional status of the musculoskeletal system before and after an intervention among sewing machine operators with partial work ability**

**Traumann, Ada; Tint, Piia; Merisalu, Eda; Hiir, Kadi** Journal of biomimetics biomaterials and biomedical engineering 2020 / p. 127-135 <https://doi.org/10.4028/www.scientific.net/JBBBE.47.127> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of automatic speech recognition prototype for Estonian language in radiology domain : a pilot study**

**Paats, Andrus; Alumäe, Tanel; Meister, Einar; Fridolin, Ivo** 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 96-99 [https://doi.org/10.1007/978-3-319-12967-9\\_26](https://doi.org/10.1007/978-3-319-12967-9_26) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Evaluation of enzyme-constrained genome-scale model through metabolic engineering of anaerobic co-production of 2,3-butanediol and glycerol by Saccharomyces cerevisiae**

**Sjöberg, Gustav; Rekena, Alina; Fornstad, Matilda; Lahtee, Petri-Jaan; Van Maris, Antonius J. A.** Metabolic engineering 2024 / p. 49-59 <https://doi.org/10.1016/j.mben.2024.01.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)



### **Experimental and modeling studies of intermediate pyrolysis of wood in a laboratory-scale continuous feed retort reactor**

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### **A fish perspective : detecting flow features while moving using an artificial lateral line in steady and unsteady flow**

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