

## Publication List of Biomedical Engineering Department

### JOURNAL:

1. **Md Enamul Hoque**, Asif Mahmud Rayhan, Samira Islam Shaily, “Natural Fiber-based Green Composites: Processing, *Properties and Biomedical Applications*, Applied Science and Engineering Progress, vol. 14, no. 4, pp. 689-718, 2021.
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4. Tamrin Nuge, Ziqian Liu, Xiaoling Liu, Bee Chin Ang, Andri Andriyana, Hendrik Simon Cornelis Metselaar, **Md Enamul Hoque**, “Recent advances in scaffolding from natural-based polymers for volumetric muscle injury” *Molecules*, vol. 26, no. 3, 699, 2021. <https://doi.org/10.3390/molecules26030699>
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6. K Karthik, D Radhika, D Gnanasangeetha, K Gurushankar, **ME Hoque**, “Two-dimensional based hybrid materials for photocatalytic conversion of carbon dioxide into hydrocarbon fuels: A mini review,” *Physics and Chemistry of Solid State*, 22 (1), 132-140, 2021. <https://doi.org/10.15330/pcss.22.1.132-140>.
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10. Md. Eaquab Ali, **Md Enamul Hoque**, SK Safdar Hossain, Manik Chandra Biswas, "Nanoadsorbents for Wastewater Treatment – Next Generation Biotechnological Solution," *International Journal of Environmental Science and Technology*, 2020; DOI: <https://doi.org/10.1007/s13762-020-02755-4>
11. T Nuge, KY Tshai, SS Lim, N Nordin, **ME Hoque**, "Characterization and optimization of the mechanical properties of electrospun gelatin nanofibrous scaffolds," *World Journal of Engineering*, vol. 17(1), pp. 12-20, 2020; <https://doi.org/10.1108/WJE-04-2019-0119>
12. Varun Prasath Padmanabhan, *et. al*, **Md Enamul Hoque**, Suresh Sagadevan, "Influence of sonication towards the physicochemical and biological characteristics of selenium substituted hydroxyapatites," *New Journal of Chemistry*, 2020. doi: <https://doi.org/10.1039/D0NJ03771K>
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27. **Md. Ashrafuzzaman\***, Farahdiba Zarin, Parsa Sanjana Binte Hoque, Faiza Ahmed, Afsana Mimi, “A Case Study of the Potential Measures Taken Regarding Effective Minimization of Congenital Birth Defects in Bangladesh”, *Journal of Slovenská zdravotnícka univerzita v Bratislave*, Vol. 16, Issue. 1, pp. 32, 2020, Published by Slovak Medical University, Bratislava
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5. **Md Ashrafuzzaman\***, Md. Sakib Abrar Hossain, Monjurul Ahsan, Nabil Islam, “Proposed Module for Establishment of National Cardiovascular Database in Low Middle Income Countries, *11th Asian-Pacific Conference on Medical and Biological Engineering. APCMBE 2020. IFMBE Proceedings*, Vol 82, pp. 159-172, 2021, Springer Nature Switzerland AG. [https://doi.org/10.1007/978-3-030-66169-4\\_21](https://doi.org/10.1007/978-3-030-66169-4_21)
6. **Md. Ashrafuzzaman\***, Faiza Ahmed, Afsana Mimi, Farahdiba Zarin, Sabrina Shetu, “Ceramide: An Extravagant Prospective for Treatment of Burn Patients”, *11th Asian-Pacific Conference on Medical and Biological Engineering. APCMBE 2020. IFMBE Proceedings*, vol 82, pp. 257-271, 2021, Springer Nature Switzerland AG, [https://doi.org/10.1007/978-3-030-66169-4\\_32](https://doi.org/10.1007/978-3-030-66169-4_32)
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### **BOOKS (EDITED):**

1. **M. Enamul Hoque**, Ahmed Sharif, Mohammad Jawaid (Eds). *Green Biocomposites For Biomedical Engineering: Design, Properties, And Applications*. Elsevier, UK, 2021. <https://www.elsevier.com/books/green-biocomposites-for-biomedical-engineering/hoque/978-0-12-821553-1>
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## BOOK CHAPTERS AND OTHERS

1. Omanin Siddiqua Prova, Jafrin Sultana, Faiza Ahmed, and Md. Ashrafuzzaman, "Big Medical Data Analytics for Diagnosis," Book Chapter Accepted for Publication in Elsevier, 2021.
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