

Personal Details	TAHMINA MONOWAR
Academic Qualifications	MBBS (SUST, Bangladesh); MPhil (SUST, Bangladesh); PhD (Biotechnology, AIMST University)
Administrative Duties	NPI Coordinator (Unit of Microbiology); MREH Coordinator (MBBS Yr 2); LMS Coordinator (Pre-Clinical)
Publications (last 5 years)	<ol style="list-style-type: none"> <li>1. <b>Monowar, T.</b>; Rahman, M. S. TVET Issues and Challenges for Socio-economic Transformation and Human Resource Development in Malaysia. Paper presented at the <i>1st International Conference on TVET for Sustainable Development 2015</i>, 30th April – 2nd May 2015, Dhaka, Bangladesh.</li> <li>2. <b>Monowar, T.</b>; Rahman, M. S.; Bhore, S. J. Exploration of Novel Endophytic Bacterial Isolates for Their Antioxidant and Pro-oxidant Properties. In: Bhore, S. J. (ed.), <i>Research Highlights in 4Bs - Biosensors, Biodiagnostics, Biochips and Biotechnology: Proceedings of the 3rd Regional Conference on Biosensors, Biodiagnostics, Biochips and Biotechnology (3rdRC4Bs)</i>, 20–22 April 2016, AIMST University, Malaysia, pp. 119.</li> <li>3. Haque, E.; Banik, U.; <b>Monowar, T.</b> &amp; Adhikary, A. K. (2016). Heterogeneous Hypervariable Regions of Hexons is Correlated With Worldwide Increased Prevalence of Human Adenovirus Type 3 Respiratory Infections. Paper presented at the 33rd Symposium of the Malaysian Society for Microbiology 2016 (MSM2016), 14-17 December 2016, Ramada Plaza, Melaka, Malaysia.</li> <li>4. Haque, E.; Banik, U.; <b>Monowar, T.</b> Anthony L &amp; Adhikary, A. K. (2018). Worldwide increased prevalence of Human adenovirus type 3 (HAdV-3) respiratory infections is well correlated with heterogeneous hypervariable regions (HVRs) of hexons 2018;13(3):e0194516 doi: 10.1371/journal.pone.0194516. eCollection 2018. <b>(IF:2.766)</b></li> <li>5. Panda, S.; Banik, U.; Haque, E.; <b>Monowar, T.</b>; Zaini, NAB.; Selvarajah, K.; Anthony L &amp; Adhikary, A. K. (2018). Genetic and bioinformatics analysis of major hexon variants of human adenovirus type 3 (HAdV-3) associated with respiratory infection worldwide. Paper presented at the AICLSD International Conference on 10–12th October 2018, AIMST University, Malaysia, pp.59.</li> <li>6. Zafar, I.; <b>Monowar, T.</b>; Chigurupati, S. &amp; Adhikary, A. K. (2018). Screening of antimicrobial, in vitro antioxidant and anti-inflammatory activity of Phyllanthus acidus fruit extract. Paper presented at the AICLSD International Conference on 10–12th October 2018, AIMST University, Malaysia, pp.52</li> <li>7. <b>Monowar, T.*</b>, Rahman, MS; Bhore, S J, Raju, G; Sathasivam, KV (2018). Silver Nanoparticles Synthesized by Using the Endophytic Bacterium <i>Pantoea ananatis</i> are Promising Antimicrobial Agents against Multidrug Resistant Bacteria. <i>Molecules</i> 2018, 23(12), 3220. DOI: <a href="https://doi.org/10.3390/molecules23123220">10.3390/molecules23123220</a> <b>(IF: 3.098)</b></li> <li>8. <b>Monowar, T.*</b>, Rahman, MS;; Bhore, S J, Raju, G; Sathasivam, KV (2019). Secondary Metabolites Profiling of <i>Acinetobacter baumannii</i></li> </ol>

	<p>associated with Chili (<i>Capsicum annum</i> L.) Leaves and Concentration Dependent Antioxidant and Pro-oxidant Properties. Biomed Research International. vol. 2019, Article ID 6951927, 13 pages, 2019. <a href="https://doi.org/10.1155/2019/6951927">https://doi.org/10.1155/2019/6951927</a> (IF: 2.583)</p>
On-going Research	<p>Application ID 246362-252031 proposed 2018-2021 Under MOHE (RM 1,40,000)</p> <p>Co-investigator in the FRGS grant <b>2018</b> titled as "Discovery of novel benzamide analogue based silver nanoformulation for treatment of periodontitis due to <i>P. gingivalis</i>: A study that encompasses molecular docking, 3D-QSAR analysis, synthesis and silver nano-formulation of benzamide analogues accompanied by toxicity analysis, in-vitro and in-vivo evaluation against gingipain"</p>
Completed Research	
Research Grants	<p>Application ID 246362-252031 proposed 2018-2021 Under MOHE (RM 1,40,000)</p> <p>Co-investigator in the FRGS grant <b>2018</b> titled as "Discovery of novel benzamide analogue based silver nanoformulation for treatment of periodontitis due to <i>P. gingivalis</i>: A study that encompasses molecular docking, 3D-QSAR analysis, synthesis and silver nano-formulation of benzamide analogues accompanied by toxicity analysis, in-vitro and in-vivo evaluation against gingipain"</p>
Consultancy	
Awards	
Professional Membership	Life member of Bangladesh Society of medical Microbiology.
Supervision	Masters student- 2
Teaching	MBBS, BDS
Areas of Expertise	Antimicrobial Resistance, Silver Nanoparticles, Endophytic Bacteria, Antioxidants
Contact Details	<p><a href="mailto:tahminamonowar@aimst.edu.my">tahminamonowar@aimst.edu.my</a></p> <p>Tel: 044298000 (Ext:3006)</p>