

Editor in Chief

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<https://scholar.google.com/citations?user=liHmZ6EAAAAJ&hl=ar>



Arabic and English



Citations: 85(Google Scholar) H-index: 3 (Google Scholar)

Education

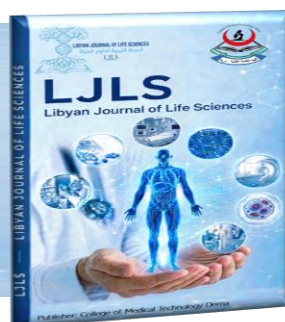
- 2022-2025 PhD, Biomaterials (Nanotechnology), Advanced Medical and Dental Institute (AMDI), Universiti Sains Malaysia, Malaysia.
Thesis Title: Antibacterial Activity and Biocompatibility of Polyphenol Crosslinked ZNO-CUO Nanocomposite Hydrogel as a Wound Healing Agent
- 2018-2020 MSc, Medical Laboratory Sciences, The University of Jordan, Amman, Jordan.
Dissertation Title: Antimicrobial Resistance and Virulence Characterization of *Pseudomonas Aeruginosa* Isolates from Various Clinical and Hospital Environment in Two Cities in Libya
- 2007-2011 BSc, Laboratory Medicine, College of Medical Technology Derna, Derna, Libya.
Graduation Project: Evaluation of Glycemic Control Using HbA1c in Patients with Type 2 Diabetes Mellitus

Academic and Professional Appointments

- 2025-Present Teaching the following undergraduate courses at the College of Medical Technology Derna: Fundamentals of Microbiology, Pharmaceutical Microbiology, and Oral Microbiology.
- 2014-2018 Teaching assistant, College of Medical Technology Derna, Derna, Libya.
- 2011-2013 Laboratory Technician, Health Services Office, Derna, Libya.

Publications

- Gadaime N. K. R.**, SMN Mydin, R. B., Govindasamy, G. A., Bustami, Y., Noordin, S. S., & Sreekantan, S. (2026). Polyphenol-Loaded ZnO-CuO Hydrogel with Enhanced Structural and Biological Properties for Advanced Wound Dressing Application. *Journal of Polymers and the Environment*, 34(3), 68. (Q1;WOS,Q1; Scopus).
- Gadaime N. K. R.**, Mydin, R. B. S., & Bustami, Y. (2025). A review on addressing challenges in chronic wound care: the benefits of hydrogel technology. *Bulletin of Materials Science*, 48(4), 126. (Q4;WOS,Q3; Scopus).
- Gadaime, N. K. R.**, SMN Mydin, R. B., Govindasamy, G. A., Bustami, Y., & Sreekantan, S. (2025). Advanced hydrogel dressing with zinc oxide-copper oxide nanocomposite for effective wound management: Mechanochemistry, antibacterial efficacy, cytocompatibility and wound healing potentials. *Journal of Polymers and the Environment*, 33(3), 1601-1614. (Q1;WOS,Q1; Scopus)
- Gadaime, N. K.**, Haddadin, R. N., Shehabi, A. A., & Omran, I. N. (2024). Antimicrobial resistance and carbapenemase dissemination in *Pseudomonas aeruginosa* isolates from Libyan hospitals: a call for surveillance and intervention. *Libyan Journal of Medicine*, 19(1), 2344320. (Q2; Scopus)
- Jabbar, S. A., Nimer, R. A., Nassar, S. F., Saleem, R. I., & **Gadaime, N. K. R.** (2026). Myeloperoxidase and Trace Elements Imbalance in Papillary Thyroid Carcinoma. *Al-Iraqia Medical College Journal*, 3(1), 59-67.



- Nimer, R. A., Abdullah, A. H., Jabbar, S. A., & **Gadaime, N. K. R.** (2025). Study the Relationship of Dynamic Thiol/Disulphide Homeostasis and Bone Turnover Markers in Postmenopausal Osteoporosis. *Al-Iraqia Medical College Journal*, 2(3), 34-41.
- Govindasamy, G. A., SMN Mydin, R. B., **Gadaime, N. K. R.**, & Sreekantan, S. (2023). Phytochemicals, biodegradation, cytocompatibility and wound healing profiles of chitosan film embedded green synthesized antibacterial ZnO/CuO nanocomposite. *Journal of Polymers and the Environment*, 31(10), 4393-4409. (Q1;WOS,Q1; Scopus)
- Asrafel H, Faleh A, **Gadaime N. K. R.** (2019) Seroprevalence of Transfusion-Transmissible Infections among Blood Donors in Derna, Libya. *International Journal of Pharmacy & Life Sciences*..

Skills

- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint, Mendeley, Image Lab, ImageJ, and Origin) and web browsing tools.
- Experienced with statistical software including SPSS, GraphPad Prism, and MINITAB.

Research Interests

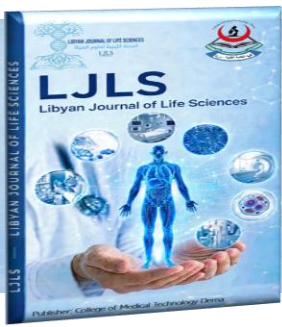
- Green synthesis techniques
- Medical nanotechnology and biomaterials
- Medical microbiology and bacteriology
- Therapeutics research
- Antimicrobial resistance: detection, prevalence, evaluation, characterisation, and investigation of factors contributing to antimicrobial resistance
- Applied biomedical research
- Nanomaterials for biomedical and healthcare applications

Awards

- 2022 Libya Innovation Prize; Best Master's Thesis Graduation Project.

References

- Prof. Ir Dr Srimala Sreekantan**
School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia, Engineering Campus, Nibong Tebal, Pulau Pinang, Malaysia
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- Prof. Dr Asem Shehabi**
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- Prof. Dr Randa N Haddadin**
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- Assoc. Prof. Ts. Dr. Rabiatul Basria S. M. N. Mydin**
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Curriculum Vitae



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