













- [35] C. Pushpalatha *et al.*, "Zinc Oxide Nanoparticles: A Review on Its Applications in Dentistry," *Front. Bioeng. Biotechnol.*, vol. 10, no. May, pp. 1–9, 2022, doi: 10.3389/fbioe.2022.917990.
- [36] J. Ye, B. Li, M. Li, Y. Zheng, S. Wu, and Y. Han, "Formation of a ZnO nanorods-patterned coating with strong bactericidal capability and quantitative evaluation of the contribution of nanorods-derived puncture and ROS-derived killing," *Bioact. Mater.*, vol. 11, no. August 2021, pp. 181–191, 2022, doi: 10.1016/j.bioactmat.2021.09.019.
- [37] M. Godoy-Gallardo *et al.*, "Antibacterial approaches in tissue engineering using metal ions and nanoparticles: From mechanisms to applications," *Bioact. Mater.*, vol. 6, no. 12, pp. 4470–4490, 2021, doi: 10.1016/j.bioactmat.2021.04.033.
- [38] M. Xin, "Crystal Structure and Optical Properties of ZnO:Ce Nano Film," *Molecules*, vol. 27, no. 16, pp. 1–9, 2022, doi: 10.3390/molecules27165308.
- [39] M. Benamara, A. Ly, S. Soltani, M. Essid, and H. Dahman, "RSC Advances Enhanced detection of low concentration volatile organic compounds using advanced doped zinc oxide sensors," pp. 30230–30242, 2023, doi: 10.1039/d3ra03143h.
- [40] T. Hashimoto, E. R. Letts, and D. Key, "Progress in Near-Equilibrium Ammonothermal (NEAT) Growth of GaN Substrates for GaN-on-GaN Semiconductor Devices," *Crystals*, vol. 12, no. 8, 2022, doi: 10.3390/cryst12081085.
- [41] K. Wijaya *et al.*, "Recent Trends and Application of Nanomaterial Based on Carbon Paste Electrodes: A Short Review," *Evergreen*, vol. 10, no. 3, pp. 1374–1387, 2023, doi: 10.5109/7151686.
- [42] C. Ortega-Nieto, N. Losada-Garcia, D. Prodan, G. Furtos, and J. M. Palomo, "Recent Advances on the Design and Applications of Antimicrobial Nanomaterials," *Nanomaterials*, vol. 13, no. 17, 2023, doi: 10.3390/nano13172406.
- [43] T. Iqbal, A. Raza, M. Zafar, S. Afsheen, I. Kebaili, and H. Alrobei, "Plant-mediated green synthesis of zinc oxide nanoparticles for novel application to enhance the shelf life of tomatoes," *Appl. Nanosci.*, vol. 12, no. 2, pp. 179–191, 2022, doi: 10.1007/s13204-021-02238-z.
- [44] M. H. Aleinawi, A. U. Ammar, M. Buldu-Akturk, N. S. Turhan, S. Nadupalli, and E. Erdem, "Spectroscopic Probing Of Mn-Doped ZnO Nanowires Synthesized via a Microwave-Assisted Route," *J. Phys. Chem. C*, vol. 126, no. 8, pp. 4229–4240, 2022, doi: 10.1021/acs.jpcc.2c00009.