

REFFERENCES

- AbdElhady, M. (2012). Preparation and Characterization of Chitosan/Zinc Oxide Nanoparticles for Imparting Antimicrobial and UV Protection to Cotton Fabric. International Journal of Carbohydrate Chemistry, 2012, pp.1-6.
- Ambrozic, G., Orel, C. Z., Zigon, M. (2011). Microwave – Assisted Non – Aqueous Synthesis of ZnO Nanoparticles, 45(3), pp.173-177.
- Ansari, S., Husain, Q., Qayyum, S. and Azam, A. (2011). Designing and surface modification of zinc oxide nanoparticles for biomedical applications. Food and Chemical Toxicology, 49(9), pp.2107-2115.
- Ashe, B. (2011). A Detail investigation to observe the effect of zinc oxide and Silver nanoparticles in biological system, Master Thesis of Technology, Department of Biotechnology & Medical Engineering, National Institute Of Technology Rourkela, Orissa, India
- Al-Naamani, L., Dobretsov, S. and Dutta, J. (2016). Chitosan-zinc oxide nanoparticle composite coating for active food packaging applications. Innovative Food Science & Emerging Technologies, 38, pp.231-237.
- Azam, A., Ahmed, Oves, Khan, Habib, and Memic, A. (2012). Antimicrobial activity of metal oxide nanoparticles against Gram-positive and Gram-negative bacteria: a comparative study. International Journal of Nanomedicine, p.6003.
- Barreto, G., Morales, G. and Quintanilla, M. (2013). Microwave Assisted Synthesis of ZnO Nanoparticles: Effect of Precursor Reagents, Temperature, Irradiation Time, and Additives on Nano-ZnO Morphology Development. Journal of Materials, 2013, pp.1-11.
- Benhebal, H., Chaib, M., Salmon, T., Geens, J., Leonard, A., Lambert, S., Crine, M. and Heinrichs, B. (2013). Photocatalytic degradation of phenol and benzoic acid using zinc oxide powders prepared by the sol–gel process. Alexandria Engineering Journal, 52(3), pp.517-523.

B. Kondawar, S., A. Acharya, S. and R. Dhakate, S. (2011). Microwave Assisted Hydrothermally Synthesized Nanostructure Zinc Oxide Reinforced Polyaniline Nanocomposites. *Advanced Materials Letters*, 2(5), pp.362-367.

Chaithanatkun, N., Chantarawong, D., Songkeaw, P., Onlaor, K., Thiwawong, T., Tunhoo, B. (2015). Effect of ascorbic acid on structural properties of ZnO nanoparticles prepared by precipitation process. *2015 IEEE 10th International Conference on Nano/Micro Engineered and Molecular Systems, NEMS 2015*, pp.145–148.

Das, A., Wang, D., Leuteritz, A., Subramaniam, K., Greenwell, H., Wagenknecht, U. and Heinrich, G. (2011). Preparation of zinc oxide free, transparent rubber nanocomposites using a layered double hydroxide filler. *Journal of Materials Chemistry*, 21(20), p.7194.

Ghosh. P. S., (2012). Synthesis and Characterization of Zinc Oxide Nanoparticles by Sol-Gel Process, Master Thesis, Department of Physics, National Institute of Technology, Rourkela, Orissa, India.

Guo, M.Y., Fung, M.K., Fang, F., Chen, X.Y., Ng, A.M.C., Djurišić, A.B., Chan, W.K. (2011). ZnO and TiO₂ 1D nanostructures for photocatalytic applications. *J. Alloy. Compd*, 509, 1328–1332.

Hebeish, A., El-Naggar, M., Fouda, M., Ramadan, M., Al-Deyab, S. and El-Rafie, M. (2011). Highly effective antibacterial textiles containing green synthesized silver nanoparticles. *Carbohydrate Polymers*, 86(2), pp.936-940.

Krishnaveni, R. and Thambidurai, S. (2013). Industrial method of cotton fabric finishing with chitosan–ZnO composite for anti-bacterial and thermal stability. *Industrial Crops and Products*, 47, pp.160-167.

Kołodziejczak-Radzimska, A. and Jasionowski, T. (2014). Zinc Oxide—From Synthesis to Application: A Review. *Materials*, 7(4), pp.2833-2881.

Kooti, M. and Naghdi Sedeh, A. (2013). Microwave-Assisted Combustion Synthesis of ZnO Nanoparticles. *Journal of Chemistry*, 2013, pp.1-4.

Krishnaveni, R. and Thambidurai, S. (2013). Industrial method of cotton fabric finishing with chitosan–ZnO composite for anti-bacterial and thermal stability. *Industrial Crops and Products*, 47, pp.160-167.

K.R. Raghupathi, R.T. Koodali, A.C. Manna. (2011). Size-dependent bacterial growth inhibition and mechanism of antibacterial activity of zinc oxide nanoparticles. *Langmuir* 27(7), 4020–4028. doi:10.1371/journal.pone.0085981

Kumar, S., Venkateswarlu, P., Rao, V. and Rao, G. (2013). Synthesis, characterization and optical properties of zinc oxide nanoparticles. *Int Nano Lett*, 3(1), p.30.

Kumar, H. and Rani, R. (2013). Structural and Optical Characterization of ZnO Nanoparticles Synthesized by Microemulsion Route. *ILCPA*, 19, pp.26-36.

Lian, J., Liang, Y., Kwong, F., Ding, Z. and Ng, D. (2012). Template-free solvothermal synthesis of ZnO nanoparticles with controllable size and their size-dependent optical properties. *Materials Letters*, 66(1), pp.318-320.

Ling, T. T., (2012). Synthesis and Characterization of Mn-doped ZnO Nanoparticles, Final Year Project II Thesis, Department of Chemistry, Faculty of Resource Science and Technology, Universiti Malaysia Sarawak.

Liu, H., Yang, D., Yang, H., Zhang, H., Zhang, W., Fang, Y., Lin, Z., Tian, L., Lin, B., Yan, J. and Xi, Z. (2013). Comparative study of respiratory tract immune toxicity induced by three sterilisation nanoparticles: Silver, zinc oxide and titanium dioxide. *Journal of Hazardous Materials*, 248-249, pp.478-486.

Navale GR, Thripuranthaka M, Late DJ, Shinde SS (2015) Antimicrobial Activity of ZnO Nanoparticles against Pathogenic Bacteria and Fungi. *JSM Nanotechnol Nanomed* 3(1): 1033.

Sirelkhatim, A., Mahmud, S., Seen, A., Kaus, N., Ann, L., Bakhori, S., Hasan, H. and Mohamad, D. (2015). Review on Zinc Oxide Nanoparticles: Antibacterial Activity and Toxicity Mechanism. *Nano-Micro Lett.*, 7(3), pp.219-242.

- Stanković, A., Veselinović, L., Škapin, S., Marković, S. and Uskoković, D. (2011). Controlled mechanochemically assisted synthesis of ZnO nanopowders in the presence of oxalic acid. *Journal of Materials Science*, 46(11), pp.3716-3724.
- Tabet, N., Al Ghashani, R. and Achour, S. (2009). Ultra fast synthesis of zinc oxide nanostructures by microwaves. *Superlattices and Microstructures*, 45(6), pp.598-603.
- Tanasa, D., Vrinceanu, N., Nistor, A., Aristodor, C.M., Popovici, E., Bistricianu, I.L., Brinza, F., Chicet, D.L., Coman, D., Pui, A. (2012). Zinc oxide-linen fibrous composites: Morphological, structural, chemical and humidity adsorptive attributes, 82, 832–844.
- Vani C., Sergin G. K., Annamalai A., (2011). A Study on the Effect of Zinc Oxide Nanoparticles in *Staphylococcus Aureus*, *International Journal of Pharma and Bio Sciences*, 2(4), 326-335
- V. Yadav, Nanotechnology, (2013). Big things from a tiny world: a review. *AEEE* 3(6), 771–778
- Water, W., Chen, S.E., Meen, T.H., Ji, L.W. (2012). ZnO thin film with nanorod arrays applied to fluid sensor. *Ultrasonics*, 52, 747–752.
- Xie, Y., He, Y., Irwin, P., Jin, T. and Shi, X. (2011). Antibacterial Activity and Mechanism of Action of Zinc Oxide Nanoparticles against *Campylobacter jejuni*. *Applied and Environmental Microbiology*, 77(7), pp.2325-2331.
- Zaharia, D., Muntean, A., Popa, M., Steriade, A., Balint, O., Micut, R., Iftene, C., Tofolean, I., Popa, V., Baicus, C., Bogdan, M. and Popa, M. (2013). Comparative analysis of *Staphylococcus aureus* and *Escherichia coli* microcalorimetric growth. *BMC Microbiology*, 13(1), p.171.
- Zarrindokht Emami-Karvani, (2012). Antibacterial activity of ZnO nanoparticle on Gram-positive and Gram-negative bacteria. *African Journal of Microbiology Research*, 5(18).