

Dr. Mrs. V. P. Malekar

List Paper Published in International Journals:

1. Double Exposure Holographic Interferometry technique used for characterization of electrodeposited Copper Telluride thin films, **Mrs. V. P. Malekar**, V. B. Prabhune, B. P. Relekar, Dr. V. J. Fulari, *National Conference on Nanomaterials and Nanotechnology Dec. 21-23 (2009) University of Lucknow, Uttar Pradesh. ISBN 978-93-80043-61-6.*
2. Monitoring the electrodeposited Copper Telluride thin films by Double Exposure Holographic Interferometry, **Mrs. V. P. Malekar**, Dr. V. J. Fulari, *Asian Journal of Research in Chemistry* 2009, **Impact factor- 0.41.**
3. Measurement of Properties of Copper Telluride thin films using Holography, Dr. V. J. Fulari, **Mrs. V. P. Malekar**, S. A. Gangawane, *PIER-C* 12 (2010) 53-64, **Impact factor- 4.63.**
4. Measurement of Properties of Electrodeposited CuSe Thin Films by Double Exposure Holographic Interferometry, **Mrs. V. P. Malekar**, P. M. Kulal, S. S. Dhasade, J. S. Patil and V. J. Fulari, *Bionano Frontier, International Society of Science and Technology*, **ISSN 0974 – 0678 (2010) 9, Impact factor-2.**
5. Electrochemical Synthesis of Sb₂Se₃ Thin Films and its Holographic Study Using He-Ne Laser, P. M. Kulal, **Mrs. V.P. Malekar**, V. B. Prabhune, S. J. Pawar, V. J. Fulari, *Bionano Frontier, International Society of Science and Technology*, **ISSN 0974 – 0678 (2010)184, Impact factor-2.**
6. Studies on Surface Deformation of CdS, CdSe and CdTe Thin Films by Double Exposure Holographic Interferometry Technique, S. A. Gangawane, **Mrs. V. P. Malekar**, P. M. Kulal, S. D. Kamat, V. J. Fulari, *Bionano Frontier, International Society of Science and Technology*, **ISSN 0974 – 0678 (2010)145, Impact factor-2.**
7. Modification of structural, optical and surface wettability of antimony sulphide thin films by using electron beam irradiation, N.S. Shinde, **Mrs. V. P. Malekar**, B. P. Relekar, V. J. Fulari, *Bionano Frontier, International Society of Science and Technology*, **ISSN 0974 – 0678 (2010)136, Impact factor-2.**

8. Effect of electron beam irradiation on the properties of Silver Telluride thin films, V. J. Fulari, P. M. Kulal, V. B. Prabhune, **Mrs. V. P. Malekar**, M. C. Rath, *Bionano Frontier, International Society of Science and Technology*, ISSN 0974 – 0678 (2010) **138, , Impact factor-2.**
9. Studies on Surface Deformation of Copper sulphide Thin Films by Holographic Interferometry Technique, **Mrs. V. P. Malekar**, Dr. V. J. Fulari, *optik* 2010, **Impact factor-0.57.**
10. Characterization Of Cadmium Selenide Thin Films By Electrodeposition And its Holographic Study. S.A.Gangawane, S.D.Kamat, **V.P.Malekar**, V.J.Fulari and M.B. Dongare, *Journal of Optics*, Vol.39, No 4, 167-174,2010, **Impact factor- 1.7.**
11. Monitoring the Cadmium Sulfide thin films by double-exposure holographic interferometry technique, S. A. Gangawane, S. D. Kamat, **V. P. Malekar**, V. J. Fulari. *Asian Journal of Research in Chemistry* Vol. 3, Issue 4, October-December 2010, **Impact factor- 0.41.**
12. “Characterization and Holographic study of nanostructure Copper Sulphide thin films grown at room temperature”, **Mrs. V. P. Malekar**, V. J. Fulari*, V.P Kothavale, GKG College Kolhapur, 7-8 Nov. 2017, I J R B A T, Vol. V, Special Issue (3), Nov-2017 ISSN 2347 – 517X
13. “SYNTHESIS AND CHARACTERIZATION OF SPRAYED ZnO, Fe₂O₃, AND Fe₂O₃/ZnO THIN FILMS”, V.P Kothavale, **Mrs. V. P. Malekar**, I J R B A T, Vol. V, Special Issue (3), Nov-2017 ISSN 2347 – 517X.
14. Characterization and Holographic study of nanostructure Copper Selenide thin films grown at room temperature, VP Malekar, SA Gangawane, VJ Fulari, *Materials Today: Proceedings* 23, 202-210, (2020)
15. Surface deformation of cadmium selenide thin films by DEHI technique, SA Gangawane, VP Malekar, VJ Fulari, *Materials Today: Proceedings* 23, 276-283, (2020)
16. Structural and optical study of electrodeposited CuSe thin films, VP Malekar, SA Gangawane, VJ Fulari, *Materials Today: Proceedings* 47, 5709-5714, (2021)
17. Effect of electron irradiation on the crystallite size, grain size and band gap energy of electrodeposited cadmium sulfide thin films, SA Gangawane, VP Malekar, VJ Fulari, *Materials Today: Proceedings* 47, 5722-5725, (2021)

18. Optimally tuned deposition of 3D interconnected ultrathin cobalt oxide nanoflakes on Ni-foam by electrodeposition technique for targeted supercapacitor application, TM Patil, RT Patil, AH Patil, NB Wadkar, AS Patil, SD Dhas, VJ Fulari, Results in Chemistry 4, 100571, (2022).
19. Effect of Electron Irradiation on the crystallite size, Grain size, Band gap energy and contact angle of Electrodeposited Cadmium Selenide thin films, PSG, S. A. Gangawane, T. S. Patil, V. P. Malekar, Vidyawarta - Peer Reviewed International Journal 9 (41), 49 - 53(2022).
20. Enhanced electrochemical performance of CuCo₂O₄ nanowire arrays based solid-state symmetric supercapacitor by K₃ [Fe (CN) 6] redox additive electrolyte, TM Patil, AH Patil, M Krishnaiah, D Mishra, A Kumar, N Kumar, ..., Journal of Energy Storage 63, 106945, (2023).
21. Effect of Nickel (Ni) Ion Doping on the Morphology and Supercapacitive Performance of Mn₃O₄ Thin Films, TS Patil, VP Kothavale, VP Malekar, RS Kamble, RB Patil, KV Gurav, Journal of Electronic Materials 53 (1), 394-407(2024).
22. Redox additive effects on the electrochemical performance of hydrothermally grown, binder-free CuO nanosheets in aqueous electrolytes, TM Patil, M Krishnaiah, D Mishra, AH Patil, SD Dhas, BB Patil, VJ Fulari, ..., Inorganic Chemistry Communications 161, 111996(2024).
23. The Assessment of External Distortion of Electrodeposited Silver Chalcogenide Thin Films via Holographic Interferometry, V G Kurundkar, V P Malekar, A N Sarwade, V K Chaudhari, IRJANA JOURNAL[ISSN:2455-1058] VOLUME 54, ISSUE 2 (2024).