

1. S Didde, RS Dubey, SK Panda, GS Babu "Sol-gel prepared ceramic nanoparticles for dual-band microstrip patch antenna applications", Journal of Taibah University for Science, Vol 19/1 Pg 2447148, Taylor & Francis Publisher (2025). <https://doi.org/10.1080/16583655.2024.2447148>
2. S Didde, RS Dubey, GS Babu, "**Ceramic Nanoparticles-based material for S-and C-bands microstrip patch antenna Applications: An Experimental investigation**". Materials Letters, Vol 385, PG138025, 15th April 2025. <https://doi.org/10.1016/j.matlet.2025.138025>.
3. ANAND A, Bote Vaishali Raosaheb, MV Hemantha Reddy, **MP Sham Aan**, Ekwipoo Kalkornsurapranee, Praveen Kumar RS, Vijayasankar AV, Binish CJ, Jobish Johns, "Unveiling the Synergistic Effect of ZnO and Carbon Black Nanoparticles on the Dielectric Properties of Vulcanized Natural Rubber"- **NextNanotechnology, 6 (2024) 100092, Elsevier**
4. Sashikumargouda Patil, A bharatish Rao, Harsih DVN, Md Saad Patel, G Satheesh Babu, Sivakumar Solaiac, "**Optimatization of Laser Surface ablation of Alumina/GO coating on AZ31D magnesium alloy using Cuckoo search algorithm method**". Advances in Materials and Processing Technologies. 06 Nov 2024.
5. A Bharatish, GN Vijayakumara, B Venkataraman, GS Babu, DVN Harish, "**Investigation of residual stresses measured during laser surface modification of tantalum coated steel substrates**" Cogent Engineering 11 (1), 2398650, (2024). <https://doi.org/10.1080/23311916.2024.2398650>
6. Sashikumar gouda Patil, Bharatish A, Harish D V N, Md Saad Patel, G Satheesh Babu, Sivakumar Solaiachari, "**Optimisation of laser surface ablation of alumina/GO coating on AZ31D magnesium alloy using Cuckoo Search Algorithm method**" Advances in Materials and Process Technologies, November 8, 2024, DOI : <https://doi.org/10.1080/2374068x.2024.2424021>
7. C. J. Binish, Maria John Athira, Sony J. Chundattu, **Sham Aan Mankunipoyil**, A. V. Vijayasankar- "Facile synthesis of aluminum oxyhydroxide-PVA films and its adsorptive evaluation for the removal of methylene blue dye from water: kinetics, optimization studies and mechanism"- **Journal of Polymer Research (2023) 30:449- Q2 Journal**
8. Binish Chirathadathil John, Vijayasankar Aloor Viswambaram, Soorya Somarajan Raj, **Sham Aan Mankunipoyil** "Adsorptive removal of Cr (VI) using mesoporous iron-aluminum oxyhydroxide-polyvinyl alcohol self-supporting film: Kinetics, optimization studies and mechanism" **Materials Today Communications- 34 (2023) 105315 -**<https://doi.org/10.1016/j.mtcomm.2023.105315>- **Q2 Journal**
9. C Sekhar Didde, Dr. Raghvendra S. Dubey, Sampad Kumar Panda, Satheesh Gandla, "**Experimental Investigation of Calcium-Doped Zinc Aluminate Nanoparticles as a Promising Material for Microwave Applications**" ACS Omega 8(41), 38064-38071, October 5, 2023, DOI: [10.1021/acsomega.3c03983](https://doi.org/10.1021/acsomega.3c03983).
10. C Sekhar Didde, Dr. Raghvendra S. Dubey, Sampad Kumar Panda, Satheesh Gandla, "**Exploring the Preparation of Calcium-Doped Zinc Aluminate Ceramic Nanoparticles for Microstrip Patch Antenna Fabrication**", Materials Science Forum, V(1099), 145-155, October 2023. DOI: [10.4028/p-baed8Q](https://doi.org/10.4028/p-baed8Q).
11. Durga Prasad C, Shanthala Kollur, M Nusrathulla, N Nagabhushana, Satheesh Gandla, et al., "**Characterisation and wear behaviour of SiC reinforced FeNiCrMo composite coating by HVOF process**, Transactions of the IMF, Sep 2023, DOI: [10.1080/00202967.2023.2246259](https://doi.org/10.1080/00202967.2023.2246259).
12. A Bhararish Rao, Dvn Harish, Satheesh Babu Gandla, "**Laser Surface Modification (LSM) of Carbon Nanotube (CNT) Reinforced Al-Si Coatings Deposited on to an AA7075 Alloy Substrate**", Lasers in Engineering, 56(1-3):77-87, September 2023.

13. Sudeep M, Yashesh Vijay Rajyaguru, Chandresh Kumar Rastogi, **Sham Aan MP**, Sridharan M, Ajit Khosla, Manjunatha C, "Recent development of nickel based chalcogenides for hydrogen generation" **Materials Today: Proceedings- Nov 2022** <https://doi.org/10.1016/j.matpr.2022.10.244> -
14. Sudeep Mudhulu, Manjunatha C, **Sham Aan MP** and Satheesh G Babu "A Novel Electrospun PU@Cus Hybrid Nanofiber-Composite: Synthesis and Morphology Characterization" **ECS Transactions (2022), Volume 107, Number 1**
15. Subana PS, Suresh R, Hari Krishna R, Ujwal Shreenag Meda, **Sham Aan MP** and Manjunatha C "Remediation of Lead Ions from Wastewater Using Magnetic Iron Oxide Nanoabsorbents - A Review" **ECS Transactions (2022), Volume 107, Number 1**
16. Nikhil Singh, A Bharatish Rao, GR Rajkumar, Satheesh Babu Gandla, "Machinability Investigation of Chromoly Steel using TiN/Al₂O₃/TiCN/TiOCN multilayer coated tungsten carbide tool inserts with Artificial Neural Network Methodology" *Applied Research*, December 2022, DOI : [10.1002/appl.202200082](https://doi.org/10.1002/appl.202200082).
17. C Sekhar Didde, Dr. Raghvendra S. Dubey, Sampad Kumar Panda, Satheesh Gandla, "Experimental study of doped zinc aluminate nanoparticles by bottom-up approach for microstrip patch antenna applications", *Journal of Materials Science*, Nov 2022, DOI: [10.1007/s10853-022-07929-8](https://doi.org/10.1007/s10853-022-07929-8)
18. M Vishwas, KVA Gowda, SB Gandla "Fabrication and characterization of Fe doped PVA films for optoelectronics", *Materials Today: Proceedings*, (September 2022).
19. M Vishwas, KRV Babu, KVA Gowda, SB Gandla, "Synthesis, characterization and photo-catalytic activity of magnetic CoFe₂O₄ nanoparticles prepared by temperature controlled co-precipitation method", *Materials Today: Proceedings*, (2022/8/11). <https://doi.org/10.1016/j.matpr.2022.07.429>
20. S Siragam, RS Dubey, L Pappula, GS Babu, "Zinc Aluminate-Based Composite Nanoparticles for Microwave Applications", *ACS omega* 7 (27), 23393-23400 (2022), DOI: <https://doi.org/10.1021/acsomega.2c0167>.
21. Vishwas, M., Nagabushana, B., Joseph, D., Gowda, K., & Gandla, S. (2022). "Low Temperature Combustion Synthesis And Characterization Of Undoped And Samarium Doped Zinc Oxide Nanoparticles". *Journal of Advanced Scientific Research*, 13(04), 37-40 (2022). <https://doi.org/10.55218/JASR.202213406> .
22. A [M. Vishwas](#), [K. S. Shamala](#) & [Satheesh Babu Gandla](#), "Comparison of optical properties of CdS thin films synthesized by spray pyrolysis and thermal evaporation method", *Journal of Optics* (2022), (21 May 2022), IP: 0.895, DOI: <http://dx.doi.org/10.1007/s12596-022-00887-z>
23. Sudeep M, Manjunatha C, **Sham Aan M. P**, Ashoka S, Suresh R, Ujwal S. M. Development of Nano Copper Sulfide (CuS) Structures for Electrochemical Detection of Vitamin C. *J Nanostruct*, 2021; 11(3):628-637. DOI: 110.22052/JNS.2021.03.020, (Indexed in Web of Science and Scopus)
24. V. Mamtha , H. N. Narasimha Murthy , V. Pujith Raj , Prashantha Tejas , C. S. Puneet , Achyutha Venugopal , **Sham Aan Mankunipoyil** , and C. Manjunatha, "Electrospun PU/MgO/Ag Nanofibers for Antibacterial Activity and Flame Retardancy" **Clothing & Textiles Research Journal- April 2021**
25. A. Anand , L. Nussana , M. P. Sham Aan , K. Ekwipoo , S. G. Sangashetty & J. Jobish "Synthesis and Characterization of ZnO Nanoparticles and Their Natural Rubber Composites" **Journal of Macromolecular Science, Part B Physics-** Published Online, Aug 2020, <https://doi.org/10.1080/00222348.2020.1798097>.

26. C. Manjunatha, Rahul S Patilb, M. Sudeep, N. Srinivasa, R. Chandra Kumar, **M.P. Sham Aan**, S. Ashoka, "Rational design and synthesis of hetero-nanostructured electrospun PU@ PANI@FeS₂: A surface tailored hybrid catalyst for H₂ production via electrochemical splitting of water". **Surfaces & Interfaces**, **18**, **2020**, **100445**
27. [R. S. Dubey](#), [S. Srilali](#), [Y. T. Ravikiran](#), [G. Satheesh Babu](#) & [K. V. Katta](#), **Synthesis and characterization of Zn_{x-1}Al₂O₄(TiO₂)_x nanocomposite ceramics and their humidity sensing properties**, [Journal of Materials Science](#) volume **57**, pages2636–2649 (2022), I.P : **4.220 (2020)** DOI: <https://doi.org/10.1007/s10853-021-06709-0>
28. Varun Kumar B, Darshan S², Shivaraj BW, M Krishna, Satheesh Babu G and Manjunatha C, "Modeling and Simulation of TiO₂/Se Sensor for Detection of CO Gas Using Comsol Multiphysics ", **ECS Transactions**, Volume 107 5867, Number 1, h-index : 52, C.S: 1.1, <https://doi.org/10.1149/10701.5867ecst>
29. [Srilali Siragam](#), [R. S. Dubey](#), [Lakshman Pappula](#) & [G. Satheesh Babu](#) , "Synthesis and investigation of dielectric ceramic nanoparticles for microstrip patch antenna applications", [Scientific Reports](#) volume **12**, Article number: 3929 (2022), I.P : 5.134 (2021), <https://doi.org/10.1038/s41598-022-07899-6>
30. C Manjunatha, S Lakshmikanth, L Shreenivasa, N Srinivasa, S Ashoka, BW Shivaraj, Manickam Selvaraj, Ujwal Shreenag Meda, G SatheeshBabu, Bruno GPollet, "[Development of non-stoichiometric hybrid Co₃S₄/Co_{0.85}Se nanocomposites for an evaluation of synergistic effect on the OER performance](#)" **Surfaces and Interfaces**, Volume 25, August 2021, 101161, cite score 4.8, IP : 4.837 scopus indexed.<https://doi.org/10.1016/j.surfin.2021.101161>
31. Ekwipoo Kalkornsurapranee, Nussana Lehman, Piyyarat Judklaing, Ladawan Songtipya, **MP Sham Aan**, Jobish Johns-"Curing of Natural Rubber/Polyvinyl Alcohol Blends Using Glutaraldehyde-**Materials Today: Proceedings**, Volume-5, Issue-7 Pages-15115-15119. June 2018
32. Shiv Rao, Devi S N, Anish Johns, Ekwipoo Kalkornsurapranee, **Sham Aan MP**, Jobish johns "Mechanical and Thermal Properties of Carbon Black Reinforced Natural Rubber/Polyvinyl Alcohol Fully-Interpenetrating Polymer Networks" **Journal of Vinyl and AdditiveTechnology**-Vol 24, Issue S1, Pages E21-E29, May 2018
33. Bharatish, G.R. Rajkumar, Pavan kumar Gurav, G. Satheesh Babu, H.N. Narasimha Murthy, Manish Roy "**Optimization of laser texture geometry and resulting functionality of nickel aluminium bronze for landing gear applications**" **International Journal of Lightweight Materials and Manufacture**, 4 (2021) 346-357,cite score 4.8, SNIP : 2.150 scopus index preview. <https://doi.org/10.1016/j.ijlmm.2021.04.004>
34. M. Vishwas, Rukhia Khanum, Anisa Athhar, Satheesh Babu Gandla, "**Antimicrobial Activity of TiO₂-Graphene against E. coli**" **Journal of applied science and computations** (ISSN NO: 1076-5131), Volume VI, Issue V, May/2019, Page No:1692, Impact Factor (2014): 5.611 (A Peer Reviewed / Reference Journal). ([DOI:16.10089.JASC.2019.V6I5.453459.1500101332](https://doi.org/10.10089/JASC.2019.V6I5.453459.1500101332))
35. M. Vishwas, B.R. Nagabushana, Y. Shivaraj, Satheesh Babu Gandla, "**Combustion Synthesis of ZnO Nano-particles for Environmental Applications**" **Journal of applies science and computations** (ISSN NO: 1076-5131), Volume VI, Issue V, May/2019, Page No:98, Impact Factor (2014): 5.611 (A Peer Reviewed / Reference J.). ([DOI:16.10089.JASC.2019.V6I5.453459.1500101122](https://doi.org/10.10089/JASC.2019.V6I5.453459.1500101122))
36. M. Vishwas, Rukhia Khanum, Anisa Athhar, Satheesh Babu Gandla, **Antimicrobial Effect of TiO₂-Graphene Nanoparticles on Psuedomonas Aeruginosa**, **Journal of applies science and computations** (ISSN NO: 1076-5131), Volume VI, Issue V, May/2019, Page No:1697, Impact Factor (2014): 5.611 (A Peer Reviewed / Reference J.). ([DOI:16.10089.JASC.2019.V6I5.453459.1500101332](https://doi.org/10.10089/JASC.2019.V6I5.453459.1500101332))

37. Yadhuraj S.R, Uma B.V, Divakara S G , T.K Subramanyam, **Satheesh Babu Gandla** "Fabrication and Study of Amorphous Silicon Based MOS Capacitor", Materials Today Proceedings (ICSEM Oct 20-22, 2016), Vol 5, Issue 10, Part 1, Pages 21040-21046 (2018), **Impact Factor 2018: 0.97**, Cite Score 2018: 1.09.
(<https://www.sciencedirect.com/science/article/pii/S2214785318316304>)
38. Yadhuraj S R, **Satheesh Babu Gandla**, Omprakash S.S, Sudarshan B.G, Prasanna Kumar S.C "Design and Development of Micro-channel using PDMS for Biomedical Applications", Materials Today Proceedings (ICSEM Oct 20-22, 2016), 21392 , Vol 5, Issue 10, Part 1, Pages 21392-21397 (2018). **Impact Factor 2018: 0.97**, Cite Score 2018: 1.09.
(<https://www.sciencedirect.com/science/article/pii/S221478531831678X>)
39. Yadhuraj S R, **Satheesh Babu Gandla**, Sudarshan B.G, Prasanna Kumar S.C "Preparation and Study of PDMS Material", Materials Today Proceedings (ICSEM Oct 20-22, 2016) Vol 5, Issue 10, Part 1, Pages 21406-21412 (2018), **Impact Factor 2018: 0.97**, Cite Score 2018: 1.09.
(<https://www.sciencedirect.com/science/article/pii/S2214785318316808>)
40. Nirupama M.P, **Satheesh Babu Gandla**, Ashok Bhattacharya, B.S.Satyanarayana "Indigenous design and development of the cathodic arc system for the growth of nanocarbon thin Films" Materials Today: Elsevier Proceedings, Vol 5, Issue 1, Part 3, Pages 3121-3129, (2018), **Impact Factor 2018: 0.97**, Cite Score 2018: 1.09.
(<https://www.sciencedirect.com/science/article/pii/S2214785318301421>)
41. Srikanth G, Yadhu S Raj, T K Subramanyam , **Satheesh Babu Gandla**, Uma B V, "Fabrication and Analysis of Amorphous Silicon TFT" International Journal of Electrical and Computer Engineering (IJECE-2016) Volume 7, Issue 2, Pages 754-758 (2017), SJR : 0.37, Cite Score 2018: 1.63, Scopus indexed Journal.
(<http://iaesjournal.com/online/index.php/IJECE/article/view/12012>).
42. Yadhuraj S R, **Satheesh Babu Gandla**, Omprakash "Characterization of PANI-CNT Composite Flexible Dry Electrodes for Long-Term ECG" Recent Trends in Electronics & Communication Systems, Page 1-6, Volume 3, Issue 3, December-2016. (National Journal).(https://issuu.com/stmpublications/docs/recent_trends_in_electronics_-_comm)
43. **Satheesh Babu Gandla**, Nagesh M "Effect of Sputtered Zinc Oxide as Anti-Reflection Coating in Amorphous Silicon Solar Cell" International Journal of Science and Research (IJSR), Volume 5 Issue 2, February 2016 ISSN (Online): Vol 5, Issue 2, 1376-1379, 2319-7064 Index Copernicus Value (2013): 6.14 | Impact Factor (2014): 5.611. <https://www.ijssr.net/archive/v5i2/NOV161162.pdf>,
<http://dx.doi.org/10.21275/v5i2.nov161162>
44. **G. Satheesh Babu**, K. Malakondaiah, "Computer-based Instrumentation for the measurement of sodium ions", *Bulletin of Electrochemistry*, **21**, 283 (2005).
45. **G. Satheesh Babu**, S.A.K Jilani, K. Malakondaiah "Interfacing of Simple Experiments with PC LPT parallel port - I", *Lab Experiments*, **5**, 218 (2005).
46. T. Chandra Sekhar, S.A.K. Jilani, **G. Satheesh Babu**, K.Nagabhushan Raju, "Microcontroller based BPL TV Remote decoder for Home Appliances", *Lab Experiments*, **5**, 113 (2005).
47. S.A.K. Jilani, Nagabhushana Katte, **G. Satheesh Babu**, K.Nagabhushan Raju, "Universal Data Converter", *Lab Experiments*, **4**, 41 (2004).
48. Nagabhushana Katte, K.Nagabhushan Raju, **G. Satheesh Babu**, "Microcontroller Based Temperature Controller", *Lab Experiments*, **4**, 101 (2004).
49. **G. Satheesh Babu**, S.A.K Jilani, K. Malakondaiah, "Interfacing of matrix keyboard with Microcontroller", *Lab Experiments*, **4**, 254 (2004).

50. **G. Satheesh Babu**, K. Malakondaiah, "Microcomputer based system for measurement of potassium ion", *IETE Technical Review*, **21**, 403 (2004). DOI: 10.1080/02564602.2004.11417169