

LIST OF PUBLICATION FROM THE GROUP (LAST FIVE YEARS)

1. A green methodology for the synthesis of some Regioselective 1,4-Disubstituted 1,2,3-Triazoles via Laccase-Mediated click reaction, Swati Gupta, Ashmita Singh, **A.K. Narula**, Chemistry Select, 2022, doi.org/10.1002/slct.202200498
2. Monomeric silica supported interaction of TOSMIC with highly functionalized imines: A green approach to azetidines via AVV type cycloaddition reaction, P. Shukla, D. Deswal, **A.K. Narula**, Journal of Heterocyclic Chemistry, 2022 doi.org/10.1002/jhet.4526
3. Highly efficient, iodide catalysed propargylamines synthesis via A3 coupling reaction, Ashmita Singh, **A.K. Narula**, Results in Chemistry, Volume-4, 100279 2022, doi:10.1016/j.rechem.2021.100279
4. Exploration of novel TOSMIC tethered imidazo[1,2-a]pyridine compounds for the development of potential antifungal drug candidate, Pratibha Shukla, Deepa Deswal, Mansi Pandit, Narayanan Latha, Divyank Mahajan, Tapasya Srivastava, **Anudeep Kumar Narula**, Drug Development Research, 27 September 2021, https://doi.org/10.1002/ddr.21883
5. Substituted, bicyclic 3-Benzoyl flavanones synthesis by highly efficient N- heterocyclic carbene (NHC) catalysis, Ashmita Singh, **A.K. Narula**, Chemistry Select, 6(30), 7794-7798, 2021, doi:10.1002/slct.202101877
6. Improved optical, electrochemical & photovoltaic properties of dye-sensitized solar cell composed of rare earth-doped zinc oxide, Preeti Sehgal and **A. K. Narula**, J. Mater. Sci: Mater. Electron, 2021, 32, 16612-16622, doi.org/10.1007/s10854-021-06216-7.
7. Phospinic acid/NaI mediated reductive cyclization approach for accessing the L-1-deoxy Nojirimycin using a two-component three-centered (2C3C) Ugi type reaction, Chandra S. Azad, Pratibha Shukla, M.A. Olson, **Anudeep K. Narula**, Chinese Journal of Chemistry, 2021, 39 (6), 1503-1510, doi:10.1002/cjoc-202000634.
8. Copper and N-Heterocyclic Carbene-catalyzed oxidative amidation of aldehydes with amines, Ashmita Singh, **Anudeep K. Narula**, Synlett, 2021; 32(07): 718-722, DOI: 10.1055/a-1343-5203
9. N-Heterocyclic carbene (NHC) catalyzed amidation of aldehydes with amines via the tandem N-hydroxysuccinimide ester formation, Ashmita Singh and **A. K. Narula**, New J. Chem, 2021, 45, 7486, DOI:10.1039/d1nj00591j.
10. Lanthanide doped luminescent NaGdF₄:Nd³⁺, Yb³⁺@CaF₂:Eu³⁺ nanoparticles for dual-mode (visible and NIR) luminescence, Manju Sengar, **Anudeep K. Narula**, Journal of Solid State Chemistry, 2021, 295, 121913, doi:10.1016/j.jssc.2020.121913.

11. Carbohydrate hitched imidazoles as agents for the disruption of fungal cell membrane, Deepa Deswal, Pratibha Shukla, Chandra S. Azad, **Anudeep K. Narula**, *Journal de Mycologie Médicale*, 2020, 30 (1), 100910, DOI: 10.1016/j.mycmed.2019.100910
12. Oxidative Amidation of Aldehydes with amines catalysed by Fe(II) – Hydride complex and N-Heterocyclic carbenes (NHC), Ashmita Singh, Chandra S. Azad, **Anudeep K. Narula**, *Chemistry Select*, 2020, 110, 110480, doi.org/10.1002/slct.202000981.
13. Luminescence sensitization of Ln³⁺ impurity ions in BaGdF₅ host matrix: Structural investigation, color tunable luminescence and energy transfer, Manju Sengar, **Anudeep K. Narula**, *Optical Materials*, 2020, 110, 110480, DOI: 10.1016/j.optmat.2020.110480.
14. Carbohydrate hitched imidazoles as agents for the disruption of fungal cell membrane. Deepa Deswal, Pratibha Shukla, Chandra S. Azad, **Anudeep K. Narula**, *Journal de Mycologie Médicale*, 2019, doi.org/10.1016/j.mycmed.2019.100910 (I.F. 1.479)
15. Novel nucleosides as potential inhibitors of fungal lanosterol 14 α -demethylase: an in vitro and in silico study. Pratibha Shukla, Deepa Deswal, Chandra S. Azad, **Anudeep K. Narula**, *Future Medicinal Chemistry*, 2019, 11(20):2663-2686 (I.F. 3.6)
16. New dimensions in the field of antimalarial research against malaria resurgence. Lalit M. Nainwal, Chandra S. Azad, **Anudeep K. Narula**, *European Journal of Medicinal Chemistry*, 2019, S0223-5234(19)30453-2 (I.F. 4.833)
17. Ternary photocatalyst based on conducting polymer doped functionalized multiwall carbon nanotubes decorated with nanorods of metal oxide, Salma Khan, **Narula, A.K.**; *Materials Science & Engineering B*, 2019, 243, 86-95
18. Metal substituted metalloporphyrins as efficient photosensitizers for enhanced solar energy conversion, Preeti Sehgal, **Narula, A.K.**; *Journal of Photochemistry & Photobiology A: Chemistry*, 2019, 375, 91-99 (I.F. 2.891)
19. Luminescence and anion recognition performance of mononuclear Eu(III) complexes with N- and O- donor pyridine derivatives. Sengar, Manju; **Narula, A.K.**; *Materials Research Bulletin*, 2019, 112, 242-250 (I.F. 2.873)
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22. EPA-Fire Protection: Flame-Retardant Epoxy Resins. Seema Agrawal and **Anudeep Kumar Narula**, *Encyclopedia of Polymer Applications*; Taylor & Francis, 2018, doi:10.1201/9781351019422-140000200.

23. Visible lights induced photo degradation of organic contaminant in water using Fe_3O_4 nano particles modified polypyrrole/flyash-cenosphere composites, Archana Dagar, **Narula, A.K.**; Russian Journal of Physical Chemistry-A, 2018, 92, 2853-2860 (I.F. 0.386)
24. Exploration of antifungal potential of carbohydrate-tehered triazoles as CYP450 inhibitors. Nainwal, Lalit M.; Azad, C.S.; Deswal, Deepa; **Narula, A.K.**, ChemPubSoc Europe, 2018, 3 (38), 10762-10767 (I.F. 1.505)
25. Sustainable potato peel powder-LLDPE biocomposite preparation and effect of maleic anhydride-grafted polyefins on their properties. Sugumaran, Vatsala; Kapur, Gurpreet Singh; **Narula, A.K.**; Polymer Bulletin, 2018, 75, 5513–5533 (I.F. 1.589)
26. In-situ preparation and properties of gold nanoparticles embedded polypyrrole composite, Peshoria, Shruti; **Narula, A.K.**; Colloids and Surfaces A, 2018, 555, 217-226 (I.F. 2.829)
27. Bare indium tin oxide electrode for electrochemical sensing of toxic metal ion. Peshoria, Shruti; **Narula, A.K.**; Journal of Material Science: Materials in Electronics, 2018, 29, 13858–13863 (I.F. 2.324)
28. Enhanced performance of porphyrin sensitized solar cell based on grapheme quantum dots decorated photoanodes. Sehgal, Preeti; **Narula, A.K.**; Optical Materials, 2018, 79, 435-445. (I.F. 2.023)
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32. Bioactive Materials Based on Biopolymers Grafted on Conducting Polymers: Recent Trends in Biomedical Field and Sensing. Khan, S; **Narula, A.K.**; Biopolymer Grafting: Synthesis and Properties (Ist Edition), 2018, 441-467
33. Fabrication of Thermoplastic Composites using Fly-Ash a coal and hollow glass beads to study their mechanical, thermal, rheological, morphological and flame retradency properties. Dagar, Archana; **Narula, A.K.**; Russian Journal of Applied Chemistry, 2017, 90 (9), 1494-1503. (I.F. 0.57)

34. Substituted, Fused, Tricyclic 6,7-Dihydro-1H, 5H-pyrido[1,2,3-de]-quinoxaline-3-amines by Isocyanide-Assisted Cycloaddition Reaction. Azad, S., Azad; **Narula, A.K.**; Eur. J. Org. Chem., 2017, 6413–6416 (I.F. 3.068)
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37. Study and explanation about the morphological, electrochemical and structural properties of differently synthesized polypyrrole. Peshoria, Shruti; **Narula, A.K.**; J. Mater. Sci.: Mater. Electron, 2017, 28, 18348-18356. (I.F. 2.019)
38. Electrochemical and optical bimodal sensing of caffeic acid based on electrodes made from nanorods of AuNPs:PEDOT:PSS and bio-hybrid chitosan:PEDOT:PSS. Khan, Salma; **Narula, A.K.**; New J. Chem., 2017, 41, 8927 (I.F. 3.277)
39. Thermal cracking of potato peel powder-polypropylene biocomposite and characterization of products – pyrolysed oils and bio-char. Sugumaran, Vatsala; Prakash, Shanti; Arora, Ajay Kumar; Kapur Gurpreet Singh and **Narula, A.K.**; J. Anal. Appl. Pyrol., 2017, 126, 405. (I.F. 3.471)
40. Effect of nitrogen-doping on photo-catalytic activity of polypyrrole/zinc oxide/flyash cenosphere (PPY/ZnO/FAC) composite under visible light. Dagar, Archana; **Narula, A.K.**; J. Mater Sci: Mater Electron, 2017, 28, 8643. (I.F. 1.48)
41. Luminescent lanthanide complexes based on pyridine-2,6-dicarboxamide and 1,2,4-triazole-3-carboxylic acid ligands as F⁻ anion sensor. Sengar, Manju; **Narula, A.K.**; Sensors and Actuators B: Chemical, 2017, 241, 567. (I.F. 4.758)