



## Dr. Suven Das, Assistant Professor, M.Sc., Ph.D.

Dr. Suven Das joined Department of Chemistry, Rishi Bankim Chandra College for Women in the year 2007 as a Lecturer and thereafter redesignated as Assistant Professor. He obtained B.Sc. and M.Sc. from the University of Calcutta. His doctoral research is on "*Synthesis of Heterocyclic Compounds from Ninhhydrin*" and was awarded Ph.D. degree by the University of Calcutta in 2007. He went to National Tsing Hua University, Taiwan for his Postdoctoral work in 2009. He is an affiliate member of the **Royal Society of Chemistry**, since 12.10.2022 (Membership number: 730799).

### Research Project:

Financing Authority : UGC

UGC Reference No. : PSW-123/10-11 (ERO), Dated 20. 10. 2010

Title of research project : "Synthesis of biologically active heterocyclic compounds using cyclic diketones"

Period of project : 01.01.2011 to 30.06.2012

### Publications:

1. *Visible-light-induced decarboxylative cyclization*; **Suven Das**, *Organic & Biomolecular Chemistry*, 2025, DOI: 10.1039/D4OB01744G
2. *Exploitation of ninhydrin core towards spiropyranocoumarin and benzofuranyl coumarin: Synthesis, crystal structure and self-assembly*; **Suven Das**, P. Das, S. Maity, P. Ghosh and A. Dutta, *Journal of Molecular Structure*, 2024, **1318**, 139185.
3. *Visible-Light-Induced Dearomative Annulation of Indoles toward Stereoselective Formation of Fused- and Spiro Indolines*; **Suven Das**, *ACS Omega*, 2024, **9**, 36023-36042.
4. *Silver-Catalyzed Decarboxylative Radical Cyclizations: Developments and Insights*; **Suven Das** and A. Dutta, *Asian Journal of Organic Chemistry*, 2024, **13**, e202400225.
5. *Synthesis and crystal structure of a tripeptide comprising a centrally placed non-coded aromatic  $\gamma$ -amino acid*; **Z. Kristallogr.**, P. Das, **Suven Das** and A. Dutta, 2024, **239**, 339-343.
6. *Copper-Catalyzed Construction of the Indole Core: Recent Advancements*; **Suven Das** and A. Dutta, *ChemistrySelect*, 2024, **9**, e202304835.
7. *Annulations involving p-benzoquinones: stereoselective synthesis of fused, spiro and bridged molecules*; **Suven Das**, *New Journal of Chemistry*, 2024, **48**, 8243-8276.
8. *Helical self-assembly of an unusual pseudopeptide: crystallographic evidence*; A. Dutta, **Suven Das**, P. Das, *Z. Kristallogr.*, 2023, **238**, 373-378.
9. *Rhodium-catalyzed annulation for the construction of indole core: An update*; **Suven**

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10. *Recent Progress in Gold-Catalyzed Reactions of Alkynes for the Construction of Indole Frameworks; Suven Das, *Asian Journal of Organic Chemistry*, 2023, **12**, e202300267.*
11. *Indole frameworks via transition-metal-free annulation: a current perspective; Suven Das, *New Journal of Chemistry*, 2023, **47**, 13729-13775.*
12. *Mechanochemical reaction of ninhydrin with aromatics, enols and amines: Synthesis, crystal structure and supra molecular self-assembly of cyclic and acyclic adducts; Suven Das, P. Das, S. Maity, P. Ghosh and A. Dutta, *Results in Chemistry*, 2023, **5**, 100713.*
13. *Annulations involving 1-indanones to access fused- and spiro frameworks; Suven Das and A. Dutta, *RSC Advances*, 2022, **12**, 33365-33402.*
14. *Recent applications of 1,3-indanedione in organic transformations for the construction of fused- and spiro scaffolds; Suven Das, *Tetrahedron*, 2022, **122**, 132954.*
15. *Synthesis, crystal structure and self-assembly of novel ninhydrin-derived isoquinoline compounds; P. Das, S. Maity, P. Ghosh, A. Dutta and Suven Das, *Journal of Molecular Structure*, 2022, **1265**, 133352.*
16. *Recent applications of quinolinium salts in the synthesis of annulated heterocycles; Suven Das, *SynOpen* 2022, **6**, 86-109.*
17. *Stereoselective synthesis of fused-, spiro-, and bridged heterocycles via cyclization of isoquinolinium salts: a recent update; Suven Das, *Organic and Biomolecular Chemistry*, 2022, **20**, 1838-1868.*
18. *3-Nitrochromenes in the synthesis of fused- and spiro scaffolds: Recent progress; Suven Das, *Synthetic Communications*, 2022, **52**, 637-666.*
19. *Unique supramolecular assembly of a synthetic achiral  $\alpha,\gamma$ -hybrid tripeptide; A. Dutta, Suven Das, P. Das, S. Maity and P. Ghosh, *Z. Kristallogr.*, 2022, **237**, 77-81.*
20. *The ninhydrin core as carbonyl source to access 2-(2'-hydroxyaryl) benzimidazoles exploiting the ortho selectivity of ninhydrin-phenol adducts; Suven Das, S. Maity, P. Ghosh and A. Dutta, *Synthetic Communications*, 2021, **51**, 2862-2872.*
21. *Beyond conventional construction of the phthalimide core: a review; Suven Das, *New Journal of Chemistry*, 2021, **45**, 20519-20536.*
22. *Transition-metal-free synthesis of 1-indanone skeleton: A brief update, Suven Das, *Chemistry Select*, 2021, **6**, 4761-4781.*
23. *Solid state self-assembly and morphology of a rigid non-coded  $\gamma$ -amino acid inserted tripeptide; A. Dutta, Suven Das, P. Das, S. Maity and P. Ghosh, *Z. Kristallogr.* 2021, **236**, 123-127.*
24. *Recent advances in transition-metal-catalyzed annulations for the construction of a 1-indanone core; Suven Das and A. Dutta, *New Journal of Chemistry* 2021, **45**, 4545-4568.*
25. *Supramolecular self-assembly of structurally diversified ninhydrin-based molecules; Suven Das, P. Das, S. Maity, P. Ghosh and A. Dutta, *Journal of Molecular Structure*, 2021, **1224**, 129033.*
26. *Annulations involving 2-arylidene-1,3-indanediones: stereoselective synthesis of spiro- and fused scaffolds; Suven Das, *New Journal of Chemistry*, 2020, **44**, 17148-17176.*
27. *Ninhydrin adducts as valid Synthon in organic synthesis: A Review; Suven Das and A. Dutta, *Chemistry Select*, 2020, **5**, 11361-11377.*
28. *Condensation of ninhydrin with phenols: Regioselective formation of diverse organic scaffolds and crystal structure studies; P. Das, S. Maity, P. Ghosh, A. Dutta and Suven*

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29. *Fibril formation through self-assembly of a simple glycine derivative and X-ray diffraction study*; A. Dutta, **Suven Das**, P. Das, S. Maity and P. Ghosh, **Z. Kristallogr.**, 2020, **235**, 47-51.
30. *Recent applications of ninhydrin in multicomponent reactions*; **Suven Das**, **RSC Advances**, 2020, **10**, 18875-18906.
31. *Base Promoted Tandem Cyclization of o-Phenylenediamine with Ninhydrin-phenol Adducts: An Unprecedented Route to Phenol Appended Isoindolo[2,1-a]quinoxaline Fluorophore*; **Suven Das**, S. Maity, P. Ghosh, B.K. Paul and A. Dutta, **Chemistry Select**, 2019, **4**, 2656-2662.
32. *Benzimidazole-based polyheterocycles from ninhydrin: Synthesis, X-ray crystal structure and photophysical property*; **Suven Das**, P. Das, S. Maity, P. Ghosh, B.K. Paul and A. Dutta, **Journal of Molecular Structure**, 2018, **1168**, 234-241.
33. *Insertion of the o-aminophenol core into ninhydrin-phenol adducts: Migration of ninhydrin carbon leading to N-phenylbenzoate substituted phthalimides*; **Suven Das**, A. Dutta, S. Maity, P. Ghosh and K. Mahali, **Synlett**, 2018, **29**, 581-584.
34. *A simple synthesis of benzodiazonines from C-2 arylated 1,3-indanediones*; **Suven Das** and A. Dutta, **Heterocycles**, 2016, **92**, 701-707.
35. *Facile synthesis of benzimidazo[2,1-a]isoindoles from phenolic adducts of ninhydrin*; **Suven Das** and A. Dutta, **Heterocycles**, 2014, **89**, 2786-2793.
36. *A simple synthesis of 4-substituted 2,3-benzoxazinones from C-2 arylated 1,3-indanediones*; **Suven Das**, P. Koley and A. Pramanik, **Tetrahedron Letters**, 2011, **52**, 3243-3246.
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43. *Facile acid-catalyzed condensation of 2-hydroxy-2,2'-biindan-1,1',3,3'-tetrone with phenols, methoxyaromatic systems and enols*; **Suven Das**, A. Pramanik, R. Fröhlich and A. Patra, **Tetrahedron**, 2004, **60**, 10197- 10205.
44. *6-( $\alpha$ -Hydroxy- $\alpha$ -aryl/naphthyl)methyl-3,4-dihydro-2,5-benzodiazocin-1(2H)-ones and diphenylmethanes from C-2 arylated 1,3-indanedione*; S.K. Kundu, **Suven Das** and A. Pramanik, **J. Chem. Res.**, 2004, 781-783.

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