

About Gourab Kanti Das

Securing first class first position both in B.Sc. and M. Sc. from Visva-Bharati, Prof. G. K. Das pursued his Ph.D. work in Synthetic and Natural Product Chemistry as a CSIR fellow under the supervision of Prof. D. N. Chowdhury during 1991-1995. In his postdoctoral research at the Saha Institute of Nuclear Physics, Kolkata, Prof. Das worked as a member of the team of Prof. D. Bhattacharyya on computer modelling of peptide bond formation in the ribosome, showing the significance of the 2'-hydroxyl group in RNA structure. His first service was in the government. College of Cooch Behar, where he joined in 1999 as a Lecturer in Chemistry. In the year 2001, he joined the Chemistry Department, Visva-Bharati and subsequently joined the direct post of Reader in Chemistry. Presently, he is acting in the same Department as a Professor of Chemistry. Dr. Das has been deeply involved both in teaching and research in the Chemistry Department, Visva-Bharati, during the last 24 years.

Prof. Das has about 77 research publications in several reputed National and International journals in the fields of Theoretical and Experimental chemistry, including one book chapter. Presently, his main focus is on the mechanistic pathway of reactions which occur under the catalysis of metal salt or by cofactor-assisted enzymes. Under his supervision, eleven candidates have already completed their Ph.D. works in the area of molecular modelling. Other students are working presently in the fields of metal-catalysed and enzyme-catalysed reactions. Prof. Das has been serving as a reviewer for several National/International journals.

1. List of Publications

1. Das BP, Choudhury B, Pal BB, **Das GK**, *International Pest Control*, **35(5)**, 136-137 (1993).
2. Das BP, Choudhury B, Jamal MY, **Das GK**, Chowdhury DN, *Chem. Environ. Res.*, **2(1&2)**, 25-31 (1993).
3. Das BP, Roy Choudhury T, **Das GK**, Chowdhury DN, Choudhury B, *Chem. Environ. Res.*, **3(1&2)**, 19-23 (1994).
4. Das BP, Choudhury B, **Das GK**, Roy Choudhury T, Chowdhury DN, *Chem. Environ. Res.*, **3(3&4)**, 195-199 (1994).
5. Das BP, **Das GK**, Roy Choudhury T, Choudhury B, Chowdhury DN, *Environment & Ecology*, **12(3)**, 497-500 (1994).
6. Das BP, Roy Choudhury T, **Das GK**, Chowdhury DN, Choudhury B, *Environment & Ecology*, **12(3)**, 667-670 (1994).
7. Das BP, Choudhury B, Roy Choudhury T, **Das GK**, Chowdhury DN, *Indian J. Environ. Hlth.*, **36(4)**, 278-281 (1994).
8. Das BP, Roy Choudhury T, **Das GK**, Choudhury B, Chowdhury DN, *Environment & Ecology*, **13(3)**, 694-697 (1995).
9. Das BP, Chowdhury DN, **Das GK**, Roy Choudhury T, *Indian J. Environ. Hlth.*, **38(2)**, 81-85 (1996).

10. Das BP, Das J, **Das GK**, Roy Choudhury T, Chowdhury DN, *Environment & Ecology*, **14(4)**, 913-916 (1996).
11. Das BP, Roy Choudhury T, **Das GK**, Choudhury B, Chowdhury DN, *Pollution Research*, **16(2)**, 109-112 (1997).
12. Das BP, Das K, Chowdhury DN, **Das GK**, Choudhury B, *Environment & Ecology*, **16(2)**, 378-381 (1998).
13. Das BP, Das K, Chowdhury DN, **Das GK**, Choudhury B, *Environment & Ecology*, **16(2)**, 405-408 (1998).
14. Das BP, Das K, Choudhury B, Chowdhury DN, **Das GK**, *Environment & Ecology*, **17(1)**, 180-183 (1999).
15. **Das GK**, Bhattacharyya D, Burma DP, *J. Theor. Biol.*, 200, 193-205 (1999).
16. Vilsmeier reaction on carbazole: theoretical and experimental aspects, **Das GK**, Choudhury B, Das K, Das BP, *J. Chem. Res.*, 244-245 (1999).
17. **Das GK**, *J. Chem. Soc., Perkin Trans*, **2**, 1779-1782 (1999).
18. Das BP, Ghosh K, Chowdhury DN, **Das GK**, *Environment & Ecology*, **19(2)**, 343-346 (2001).
19. Bhattacharyya D, **Das GK**, Burma DP, *Indian J. Biochem. Biophys.*, **38**, 48-52 (2001).
20. **Das GK**, *Indian J. Chem.*, 40A, 23-29 (2001).
21. **Das GK**, *J. Chem. Research.*, 82-83 (2001).
22. Mondal N, Mandal SC, **Das GK**, *J. Chem. Res.*, 580-583 (2003).
23. **Das GK**, Mandal SC, Mondal N, *J. Chem. Res.*, 588-590 (2003).
24. Mondal N, Mandal SC, **Das GK**, *J. Mol. Struct. (THEOCHEM)*, 671, 217-224 (2004).
25. Mondal N, Mandal SC, **Das GK**, *Can. J. Chem.*, **82**, 539-550 (2004).
26. Mondal N, Chakrabarty K, Roy S, **Das GK**, *Journal of Molecular Structure: THEOCHEM*, **684**, 187-195 (2004).
27. Roy S, Chakrabarty K, Mondal N, and **Das GK**, *Indian Journal of Chemistry*, **45**, 45-50 (2006).
28. Chakrabarty K, Roy S, **Das GK**, *Journal of Molecular Structure: THEOCHEM*, **760**, 203-207 (2006).
29. Chakrabarty K, Roy S, **Das GK**, Mondal N, *Journal of Molecular Structure: THEOCHEM*, **805**, 1-7 (2007).
30. Roy S, Chakrabarty K, **Das GK**, *Journal of Molecular Structure: THEOCHEM*, **820**, 112-117 (2007).
31. Chakrabarty K, Roy S, **Das GK**, *Journal of Molecular Structure: THEOCHEM*, **858**, 107-112 (2008).

32. Chakrabarty K, Roy S, Gupta SN, **Das GK**, *Journal of Molecular Structure: THEOCHEM*, **901**, 44-48 (2009).
33. Chakrabarty K, Gupta SN, Roy S, **Das GK**, *Journal of Molecular Structure: THEOCHEM*, **951**, 1-6 (2010).
34. Roy S, Chakrabarty K, Gupta SN, **Das GK**, *Indian Journal of Chemistry* 50B, 1637-44 (2011).
35. Chakrabarty K, Gupta SN, Roy S, **Das GK**, *Indian Journal of Biochemistry and Biophysics*, **39**, 155-164 (2012).
36. Basak A, Gupta SN, Chakrabarty K, **Das GK**, *Computational and Theoretical Chemistry*, **1007**, 15-30 (2013).
37. Basak A, Chakrabarty K, Ghosh A, **Das GK**, *The Journal of Organic Chemistry*, **78**, 9715-9724 (2013).
38. Ghosh A, Basak A, Chakrabarty K, Ghosh B, **Das GK**, *The Journal of Organic Chemistry*, **79**, 5652-5663 (2014).
39. Mitra S, Mukhopadhyay BC, Mandal AR, Arukha AP, Chakrabarty K, **Das GK**, Chakrabarty PK, Biswas SR, *Journal of Basic Microbiology*, **55**, 527-537 (2015).
40. Mukherjee S, Mukherjee S, Kundu A, **Das GK**, Bhattacharyya A, *Journal of Crop and Weed*, **10(2)**, 472-479 (2014).
41. Mukherjee S, Mukherjee S, **Das GK**, Bhattacharyya A, *Food Measure*, **9**, 517-524 (2015).
42. Mukherjee S, Mukherjee S, **Das GK**, Bhattacharyya A, *Pesticide Research Journal*, **27(1)**, 47-56 (2015).
43. Chakrabarty K, Ghosh A, Basak A, **Das GK**, *Computational and Theoretical Chemistry*, **1062**, 11-23 (2015).
44. Basak A, Chakrabarty K, Ghosh A, **Das GK**, *Computational and Theoretical Chemistry*, **1083**, 38-45 (2016).
45. Basak A, Chakrabarty K, Ghosh A, **Das GK**, *Journal of Theoretical and Computational Chemistry*, **15**, 1650025-43 (2016).
46. Chakrabarty K, Basak A, Ghosh A, **Das G K**, *Journal of Theoretical and Computational Chemistry*, **15**, 1650049 (2016).
47. Chatterjee A, Saha R, Panja D, Ghosh S, Mondal, S, Ghosh A and **Das GK**, *Computational and Theoretical Chemistry*, 1114, 146–152 (2017).
48. Ghosh A, Basak A, Chakrabarty K, Mondal S, Chatterjee A, **Das GK**, *ACS Omega*, **3**, 1159–1169 (2018).
49. Mondal S, Chatterjee A, Saha R, Ghosh A, Chakrabarty K, **Das GK**, *Molecular Catalysis* 452, 247–259 (2018).
50. Chakrabarti K, Maji M, Panja D, Paul B, Shee S, **Das GK**, Kundu S, *Org. Lett.* **19**, 4750–4753 (2017).
51. Shee, S, Paul B, Dibyajyoti Panja D, Roy BC, Chakrabarti K, Ganguli K, Das A, Das GK, Kundua S, *Adv. Synth. Catal.* 359, 1–7 (2017).

52. Chapter entitled “*Vitamin B6-derived cofactor Pyridoxal-5'-phosphate: Promising role in Drug Development Programme*” Author: Chakrabarty K, **Das GK**, in the book entitled “*Bioactive natural Products: Impacts & Prospects in Medicinal Chemistry*” Publisher: Narosa Publishing House, New Delhi, India and Co-publisher: Alpha Science International, Oxford, UK. ISBN: 978-81-8487-235-4, 2013.
53. Ghosh D, Dhibar S, Gupta VK, **Das GK**, Dey B, Inorg. Chem., 59, 5350–5358 (2020)
54. Dhibar S, Dey A, Jana R, Chatterjee A, **Das GK**, Ray PP, Dey B, Dalton Trans., 48, 17388–17394 (2019).
55. Saha R, Mondal S, Chatterjee A, Pal P, Chakrabarty K, **Das GK**, J. Organomet. Chem., 937, 121744 (2021).
56. Mukherjee A, Ansari AJ, Reddy SR, **Das GK**, Singh R, Asian J. Org. Chem., 9, 2136-2143 (2020).
57. Pal P, Mondal S, Chatterjee A, Saha R, Chakrabarty K, **Das GK**, J. Organomet. Chem., 949, 121888 (2021).
58. Pal P, Mondal S, Chatterjee A, Saha R, Chakrabarty K, **Das GK**, *Represent. Theor. Chem.*, **10**, 45-52 (2022).
59. Bar N, Chowdhury P, Roy D, Adhikari S, Mondal S, **Das GK**, Chandra SK, *J. Photochem. Photobiol. A Chem.*, 420, 113505 (2021).
60. Biswas D, Bar N, Pal S, Mazumder SK, Ray A, Chowdhury S, **Das GK**, Chowdhury P, *J. Mol. Struct.*, 1252, 132166 (2022).
61. Mandal M, Karmakar I, Chakrabarty K, **Das GK**, Brahmachari G, ChemistrySelect, 2022, **7**, e202103929 (2022).
62. Mukherjee A, Singh R, Mane KD, **Das GK**, J. Organomet. Chem., 957, 122179 (2022).
63. Mane KD, Mukherjee A, **Das GK**, Suryavanshi G, *J. Org. Chem.*, 87, 5097-5112 (2022).
64. Bar N, Chowdhury P, Biswas D, Ray A, **Das GK**, *New J. Chem.*, 46, 6505–6515 (2022).
65. Pal P, **Das GK**, *J. Organomet. Chem.*, 2023, 101, 122179.
66. Mandi A, Bar N, Biswas D, Ray A, Ghosh K, Mondal D, **Das GK**, Chowdhury P, *J. Luminescence*, 271, 120611 (2024).
67. Pal S, Chowdhury P, Bar N, Ray A, Biswas D, **Das GK**, *J. Macromol. Sci. A*, 60, 568–579 (2023).
68. Panja D, Dey S, Saha R, Sahu R, **Das GK**, Bhobe P, Kundu S, *Green Chem.*, 2023, 25, 9374–9387.
69. Bar N, Chowdhury P, Das GK, *Spectrochim. Acta A Mol. Biomol. Spectrosc.*, 2024, 312, 124031.
70. Ray A, Bar N, Chowdhury P, Biswas D, Ghosh K, Mandi A, **Das GK**, *Polyhedron*, 2023, 243, 116563.

71. Biswas D, Chowdhury P, Bar N, Ray A, **Das GK**, *Dyes Pigments*, 2023, 219, 111559.
72. Mandal S, Patra D, Mandal S, **Das GK**, Sahoo P, *RSC Adv.*, 2024, 14, 2770–2777.
73. Ghosh K, Mandi A, Bar N, Ray A, Mondal D, **Das GK**, Chowdhury P, *J. Chem. Sci.*, 2024, 136(3), 66.
74. Biswas D, Chowdhury P, Bar N, **Das GK**, *Spectrochim. Acta A Mol. Biomol. Spectrosc.*, 2025, 329, 25551.
75. Biswas D, Chowdhury P, Bar N, **Das GK**, *J. Luminescence*, 2025, 280, 121105.
76. Ghosh K, Mandi A, Bar N, Ray A, **Das GK**, Mondal D, Chowdhury P, *Spectrochim. Acta A Mol. Biomol. Spectrosc.*, 2026, 344, 126731.
77. Mandi A, Bar N, Ray A, Ghosh K, Khatun M, Mandal A, Mondal D, **Das GK**, Chowdhury P, *Chem. Select*, 2025, 10(26), e202502179.