



CV OF DR. ASIM K DAS

Name: Dr. Asim K Das

Nationality: Indian

Date of Birth: 31.8.1960

Present Position and Address: Professor of Chemistry, Department of Chemistry, Visva Bharati, Santiniketan 731235, India

● **Academic Qualification:** B.Sc. (Hons. in Chemistry), 1981, University of Calcutta, **First Class First**; M.Sc. (Spl. Inorganic Chemistry), 1983, University of Calcutta, **First Class First, Gold Medallist**; Ph.D. (Studies on Inorganic Reaction Mechanism), 1987, University of Calcutta; D. Sc. (Studies on Kinetics and Mechanism of Some Reactions in Solution), 2002, Visva Bharati.

● **Title of the Ph.D. thesis:** Kinetics and Mechanism of Ligand Substitution Reaction at Copper(II), Nickel(II) and Palladium(II) Centres.

Submitted to the University of Calcutta, 1986, under the supervision of Prof. D. Banerjee, Sir Rashbehari Ghose Professor, Department of Chemistry, University College of Science, Calcutta University

● **Title of the D.Sc. thesis:** Studies on Kinetics and Mechanism of Some Reactions of Metal Complexes in Solution

Submitted to Visva Bharati under self-guidance in 2000.

● **Awards and Honours Received:** National Scholarship (Govt. of India); Jubilee Merit Prize (University of Calcutta); Gold Medal (University of Calcutta); Ronit Protiva Trust

Award; Award from Chattogram Parishad; Chemist' Convention Award (Indian Chemical Society);

- **Field of Research Experience:** Thermodynamic and kinetic aspects of metal-ligand interaction, reaction mechanism of both ligand substitution and electron transfer reactions.

- **Teaching Experience at both the UG & PG Levels:** Department of Chemistry, Ramakrishna Mission Residential College, Narendrapur (1983-1987, Honorary. Lecturer); Department of Chemistry, Regional Engineering College, Durgapur (1987-1991, Lecturer); Department of Chemistry, Visva Bharati, (Lecturer, Reade & Professor, 1991-)

- **No. of Research Publication:** About 80.

- **No. Popular Science articles (in Bengali & English):** 7

- **Research Projects Completed:** 3 (Funded by CSIR, N. Delhi), 1 (Funded by UGC, N. Delhi).

- **No. Ph. D. Students Supervised:** 6

- **As an Invited Speaker in Different Refresher Courses and Seminars**

- **As a Reviewer of Different National & International Journals** like J. Indian Chem. Soc., Indian J. Chem. A, Int. J. Chem. Kinet. (John Wiley, N. York), J. Phys. Org. Chem. (John Wiley, N. York), Carbohydr. Res. (Elsevier), Coord. Chem. Rev. (Elsevier), etc.

- **As a Reviewer of Theses of Different Universities** like University of Calcutta, Jadavpur University, Karnatak University, Jamia Millia Ismalia University, University of Malaya (Kuala Lumpur, Malaysia), etc.

- **As a Reviewer of Project Proposals Submitted to CSIR.**

- **Invitation Received from Australian Defence Force Academy (The University of New South Wales), Canberra, Australia for the post of a Visiting Professor in 2004.** Because of some unavoidable reasons, the opportunity could not be availed.

- **Participation & Presentation of Papers in Different National & International Seminars and Conferences.**

- **Administrative Experience in Academic Field in Visva Bharati:** Head of the Department of Chemistry; Member of Different Academic Boards like Institute Board, Academic Council, Court, Board of Studies; Member of Different Organizing Committees of National & International Seminar and Conferences; etc.

- **Member of Different Professional Bodies like** Indian Chemical Society; Indian Assosiation for the Cultivation of Science (Kolkata).

LIST OF PUBLICATIONS OF DR. ASIM K. DAS

Research Papers

1. Kinetic Studies on the Formation of Ternary Complexes in the Reaction of Diaquonitrilotriacetatonickelate(II) with Amino Acids in Aqueous Solution.
Asim K. Das, S. Gangopadhyay and D. Banerjea, *Transition Met. Chem.*, **11** (1986) 259-261.
DOI <https://doi.org/10.1007/BF00959927>
2. Kinetics and Mechanism of Dissociation of Some Tri- and Tetra-dentate Complexes of Copper(II) in Acid Media.
Asim K. Das, S. Gangopadhyay and D. Banerjea, *Transition Met. Chem.*, **12** (1987) 18-20.
<https://link.springer.com/article/10.1007/BF01023122>
3. Calculation of Hydrogen Ion Concentration (pH): A Generalised Approach.
Asim K. Das, *Chemistry Education (Macmillan)*, **3(3)** (1987) 34-38.
4. Mixed Ligand Complexes of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) with Biologically Active Ligands.
Asim K. Das, *J. Electrochem. Soc. India*, **37** (1988) 269-272.
5. Studies on the Kinetics and Mechanism of Dissociation of Copper(II) and Nickel(II) Complexes of the Macrocyclic Ligand 1,5,9,13-Tetraaza-2,4,4,10,12,12-hexamethylcyclohexadecane-1,9-diene in Perchloric Acid Media.
A. K. Pondit, **Asim K. Das**, S. Gangopadhyay and D. Banerjea, *Transition Met. Chem.*, **13** (1988) 437-439.
DOI <https://doi.org/10.1007/BF01043706>
6. Kinetic Studies on the Formation of Ternary Complexes in the Reaction of Diaquonitrilotriacetatonickelate(II) and Diaquoanthranilato-*N,N*-diacetatonickelat(II) with Amino Acids in Aqueous Solution.
A. K. Pondit, **Asim K. Das** and D. Banerjea, *Transition Met. Chem.*, **13** (1988) 459-462.
DOI <https://doi.org/10.1007/BF01043712>

7. Studies on Ternary Complex Formation, Part-I: Equilibrium Study of the Formation of Ternary Complexes of Copper(II), Nickel(II) and Zinc(II) Involving Nitrilotriacetate and 2-Aminopyridine as Ligands.
Asim K. Das, *Trans SAEST*, **23** (1988) 345-349.
8. Astatistical Aspects of the Stabilities of Ternary Complexes of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) Involving Aminopolycarboxylic Acids and Heteroaromatic *N*-Bases as Primary Ligands and Acetohydroxamic Acid as a Secondary Ligand.
Asim K. Das, *Transition Met. Chem.*, **14** (1989) 66-68.
DOI <https://doi.org/10.1007/BF01129763>
9. Kinetics and Mechanism of Formation of Tetrachloropalladate(II) in the Reactions of the Bis-(oxalato)- and Bis-(malonato)-palladate(II) with Chloride in Acid Media.
Asim K. Das, S. Gangopadhyay and D. Banerjea, *Transition Met. Chem.*, **14** (1989) 73-75.
DOI <https://doi.org/10.1007/BF01129765>
10. Studies on Mixed Ligand Complexes of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) Involving 8-Hydroxyquinoline-5-sulphonic Acid as a Primary Ligand and Substituted Catechols as Secondary Ligands.
Asim K. Das, *Transition Met. Chem.*, **14** (1989) 200-202.
DOI <https://doi.org/10.1007/BF01043794>
11. Mixed Ligand Complexes of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) with 8-Hydroxyquinoline-5-sulfonate and Salicylates.
Asim K. Das, *J. Electrochem. Soc. India*, **38** (1989) 149-152.
12. Importance of π -Bonding in the Stabilisation of Ternary Complexes.
Asim K. Das, *Transition Met. Chem.*, **14** (1989) 390-392.
DOI <https://doi.org/10.1007/BF01032518>
13. Studies on the Kinetics and Mechanisms of Reactions of Dimethylglyoxime with Iron(II), Cobalt(II) and Copper(II) Ions in Ethanol-Water Media.
S. Gangopadhyay, **Asim K. Das**, and D. Banerjea, *J. Indian. Chem. Soc.*, **66** (1989) 517-520.
14. Astatistical Aspects on the Stabilities of Ternary Complexes of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) Involving Aminopolycarboxylic Acids as Primary Ligands and Salicylaldehyde as a Secondary Ligand.
Asim K. Das, *Transition Met. Chem.*, **15** (1990) 75-77.
<https://link.springer.com/content/pdf/10.1007%2FBF01032237.pdf>

15. Studies on Ternary Complex Formation, Part-II: Ternary Complexes of Copper(II), Nickel(II) and Zinc(II) Involving Heteroaromatic *N*-Bases and 2-Aminopyridine as Ligands.
Asim K. Das, *Trans SAEST*, **25** (1990) 67-72.
16. Stabilities of Ternary Complexes of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) Involving Aminopolycarboxylic Acids and Heteroaromatic *N*-Bases as Primary Ligands and Benzohydroxamic Acids as a Secondary Ligand.
Asim K. Das, *Transition Met. Chem.*, **15** (1990) 399-402.
<https://link.springer.com/content/pdf/10.1007%2F01032237.pdf>
17. Equilibrium Study of Ternary Complexes Involving Heteroaromatic *N*-Bases and Acetohydroxamic Acid.
Asim K. Das, *Transition Met. Chem.*, **16** (1991) 108-110.
<https://link.springer.com/article/10.1007/BF01024076>
18. Kinetics and Mechanism of Reactions of Bis(biguanide)copper(II) Ion with 2,2'-Bipyridyl and 1,10-Phenanthroline in Aqueous Solution.
T. Pramanik, **Asim K. Das** and D. Banerjea, *Transition Met. Chem.*, **16** (1991) 332-334.
DOI <https://doi.org/10.1007/BF01024076>.
19. Kinetics and Mechanism of Dissociation of Di(2-pyridyl)amine Complexes of Copper(II), Nickel(II) and Cobalt(II) in Aqueous Acid Media.
Asim K. Das and D. Banerjea, *Indian J. Chem., Sec. A*, **30** (1991) 347-349.
<http://nopr.niscair.res.in/bitstream/123456789/41884/1/IJCA%2030A%284%29%20347-349.pdf>
20. Kinetics and Mechanism of Oxidation of 8-Hydroxyquinoline and its Derivatives by Cerium(IV) through Precursor Complex Formation.
A. K. Pondit, **Asim K. Das** and D. Banerjea, *Transition Met. Chem.*, **16** (1991) 324-327.
DOI <https://doi.org/10.1007/BF01024074>
21. Study of Equilibria and Kinetics of the Interaction of Iron(III) with 8-Hydroxyquinoline and 8-Hydroxyquinoline-5-sulfonic Acid in HClO₄-NaClO₄ Media.
Asim K. Das, *Bull. Chem. Soc. Jpn.*, **65** (1992) 2205-2210.
DOI <https://doi.org/10.1246/bcsj.65.2205>
22. Study of Equilibria and Kinetics of the Acid Catalysed Interaction of Iron(III) with Salicylaldehyde and *Ortho*-hydroxyacetophenone.
Asim K. Das, *Transition Met. Chem.*, **17** (1992) 484-487.
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23. The Kinetics and Mechanism of the Reaction of Uranium(VI) with 8-Quinolinol and 8-Hydroxy-5-quinolinesulfonic Acid.
Asim K. Das, *Bull. Chem. Soc. Jpn.*, **66** (1993) 760-765.
DOI <https://doi.org/10.1246/bcsj.66.760>
24. Potentiometric Studies on Mixed Ligand Complexes of Cobalt(II), Copper(II) and Zinc(II) Involving 8-Hydroxyquinoline-5-sulfonic Acid and Hydroxamic Acids.
M. Das and **Asim K. Das***, *Trans SAEST*, **28** (1993) 13-19.
25. Kinetics and Mechanism of Reaction of Bis(biguanide)copper(II) Ion with Glycine and α -Alanine in Aqueous Media.
Asim K. Das*, *Transition Met. Chem.*, **19** (1994) 395-398.
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26. Kinetics and Mechanism of Ruthenium(III) Catalysed Oxidation of Formic Acid by Cerium(IV) in Aqueous Sulfuric Acid Media.
Asim K. Das* and M. Das, *J. Chem. Soc., Dalton Trans.*, (1994) 589-593.
DOI <https://doi.org/10.1039/DT9940000589>
27. Potentiometric and Thermodynamic Studies on Ternary Complexes of Cobalt(II), Nickel(II) and Zinc(II) Involving Heteroaromatic *N*-Bases and Salicylaldoxime.
M. Das and **Asim K. Das***, *Bull. Electrochem.*, **10** (1994) 198-202.
28. Studies on the Kinetics and Mechanism of Complex Formation in the Reactions of Ferron with Iron(III) and Uranium(VI).
Asim K. Das*, *Indian J. Chem., Sec. A*, **33** (1994) 740-745.
<http://nopr.niscair.res.in/handle/123456789/40987>
29. Study on Kinetics and Mechanism of Reaction of Iron(III) with Salicylaldoxime and *Ortho*-hydroxyacetophenoneoxime in HClO_4 - NaClO_4 Media.
R. K. Mohanty*, **Asim K. Das*** and M. Das, *Indian J. Chem., Sec. A*, **33** (1994) 932-936.
<http://nopr.niscair.res.in/handle/123456789/41126>
30. Kinetics and Mechanism of Ruthenium(III) Catalysed Oxidation of Ethanol by Cerium(IV) in Aqueous Sulfuric Acid Media.
Asim K. Das* and M. Das, *Int. J. Chem. Kinet.*, **27** (1995) 7-16.
DOI <https://doi.org/10.1002/kin.550270103>
31. Kinetics and Mechanism of Iridium(III) Catalysed Oxidation of Formic Acid by Cerium(IV) in Aqueous Sulfuric Acid Media.
Asim K. Das* and M. Das, *Indian J. Chem., Sec. A*, **34** (1995) 866-870.
<http://nopr.niscair.res.in/handle/123456789/40335>

32. Dynamics of Ternary Complex Formation in the Reaction of Diaquoanthranilato-*N,N*-diacetatonicelate(II) with 2,2'-Bipyridine and 1,10-Phenanthroline.
Asim K. Das*, *Int. J. Chem. Kinet.*, **28** (1996) 275-282.
DOI [https://doi.org/10.1002/\(SICI\)1097-4601\(1996\)28:4<275::AID-KIN5>3.0.CO;2-S](https://doi.org/10.1002/(SICI)1097-4601(1996)28:4<275::AID-KIN5>3.0.CO;2-S)
33. Kinetics and Mechanism of Iridium(III) Catalysed Oxidation of Methanol by Cerium(IV) in Aqueous Sulfuric Acid Media.
Asim K. Das*, *J. Chem. Res. (S)*, (1996) 184-185; *J. Chem. Res. (M)*, (1996) 1023-1053.
34. Estimation of Dimethylsulfoxide and Submicrogram Quantities of Ruthenium(III) by Catalysis of the Cerium(IV)-Dimethylsulfoxide Reaction in Aqueous Sulfuric Acid Media.
Asim K. Das*, S. S. Mahapatra, P. N. Saha and M. Das., *Indian J. Chem., Sec. A*, **35** (1996) 623-624.
<http://nopr.niscair.res.in/handle/123456789/41372>
35. Determination of Submicrogram Quantities of Ruthenium(III) by Catalysis of Cerium(IV)-Formic Acid Reaction in Aqueous Sulfuric Acid Media.
Asim K. Das* and M. Das., *J. Indian Chem. Soc.*, **73** (1996) 373-374.

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36. Determination of Submicrogram Quantities of Ruthenium(III) by Catalysis of Cerium(IV)-Ethanol Reaction in Aqueous Sulfuric Acid Media.
Asim K. Das* and M. Das., *J. Indian Chem. Soc.*, **73** (1996) 375-376.
37. Kinetics and Mechanism of Osmium(VIII) Mediated Cerium(IV) Oxidation of Dimethylsulfoxide in Aqueous Sulfuric Acid Media.
R. K. Mohanty*, M. Das and **Asim K. Das***, *Transition Met. Chem.*, **22** (1997) 487-491.
DOI <https://doi.org/10.1023/A:1018515413990>
38. Kinetics and Mechanism of Chromium(III) Catalysed Oxidation of Formic Acid by Cerium(IV) in Aqueous Sulfuric Acid Media.
P. N. Saha, S. K. Mondal, D. Kar, M. Das, **Asim K. Das*** and R. K. Mohanty*, *J. Chem. Res. (S)*, (1997) 364-365.
DOI: [10.1039/A700449D](https://doi.org/10.1039/A700449D)
39. Kinetics and Mechanism of Iridium(III) Catalysed Oxidation of Ethanol by Cerium(IV) in Aqueous Sulfuric Acid Media.
R. K. Mohanty*, M. Das and **Asim K. Das***, *Indian. J. Chem., Sec. A.*, **37** (1998) 34-40.
<http://nopr.niscair.res.in/handle/123456789/39863>

40. A Case of Competitive Catalytic Cycles in Ruthenium(III) Catalysed Oxidation of Dimethylsulfoxide by Cerium(IV) in Aqueous Sulfuric Acid Media. A Kinetic Study. R. K. Mohanty, M. Das and **Asim K. Das***, *Indian J. Chem., Sec. A*, **37** (1998) 663-668.
<http://nopr.niscair.res.in/handle/123456789/40217>
41. Kinetics and Mechanism of Iridium(III) Catalysed Oxidation of Formaldehyde by Cerium(IV) in Aqueous Sulfuric Acid Media. D. Kar, S. K. Mondal, M. Das and **Asim K. Das***, *J. Chem. Res. (S)*, (1998) 394-395.
DOI <https://doi.org/10.1039/A800995C>
42. Kinetics and Mechanism of Iridium(III) Catalysed Oxidation of Butan-2-ol by Cerium(IV) in Aqueous Sulfuric Acid Media. S. K. Mondal, D. Kar, M. Das and **Asim K. Das***, *Indian J. Chem., Sec. A*, **37** (1998) 765-768.
<http://nopr.niscair.res.in/handle/123456789/40266>
43. Kinetics and Mechanism of Picolinic Acid Promoted Chromium(VI) Oxidation of Dimethylsulfoxide in the Presence and Absence of Surfactants. **Asim K. Das***, S. K. Mondal, D. Kar and M. Das, *J. Chem. Res. (S)*, (1998) 574-575.
DOI <https://doi.org/10.1039/A800993G>
44. Kinetics and Mechanism of Iridium(III) Catalysed Oxidation of Propan-1-ol and Propan-2-ol by Cerium(IV) in Aqueous Sulfuric Acid Media. D. Kar, S. K. Mondal, M. Das and **Asim K. Das***, *Oxid. Commun.*, **21** (1998) 538-547.
45. A Comparative Kinetic Study of Iridium(III) Catalysis in Cerium(IV) Oxidation of Dioxane in Aqueous Sulfuric Acid and Perchloric Acid Media. S. K. Mondal, D. Kar, M. Das and **Asim K. Das***, *Transition Met. Chem.*, **23** (1998) 593-598.
DOI <https://doi.org/10.1023/A:1006992905510>
46. Kinetics and Mechanism of Chromium(III) Catalysed Oxidation of Ethanol by Cerium(IV) in Aqueous Sulfuric Acid Media. **Asim K. Das***, S. K. Mondal and D. Kar, *Indian J. Chem., Sec. A*, **37** (1998) 1102-1105.
<http://nopr.niscair.res.in/handle/123456789/40375>
47. Kinetics and Mechanism of the Chromium(VI) Oxidation of Formic Acid in the Presence of Picolinic Acid and in the Presence and Absence of Surfactants. **Asim K. Das**, *Inorg. React. Mech.*, **1** (1999) 161-168.
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48. Kinetics and Mechanism of Chromium(III) Catalysed Oxidation of Propan-1-ol and Butan-1-ol by Cerium(IV) in Aqueous Sulfuric Acid Media.
Asim K. Das*, S. K. Mondal, D. Kar and M. Das, *Inorg. React. Mech.*, **1** (1999) 169-176.
DOI <https://doi.org/10.1515/irm-1999-0211>
49. Kinetics and Mechanism of Reaction of Bis(biguanide)copper(II) Ion with Different Amino Acids in Aqueous Media.
Asim K. Das, *Inorg. React. Mech.*, **1** (2000) 309-314.
DOI <https://doi.org/10.1515/irm-2000-0408>
50. Micellar Effect on the Reaction of Picolinic Acid Catalysed Chromium(VI) Oxidation of Dimethylsulfoxide in Aqueous Acidic Media: A Kinetic Study
Asim K. Das*, S. K. Mondal, D. Kar and M. Das., *Int. J. Chem. Kinet.*, **33** (2001) 173-181.
DOI [https://doi.org/10.1002/1097-4601\(200103\)33:3<173::AID-KIN1011>3.0.CO;2-I](https://doi.org/10.1002/1097-4601(200103)33:3<173::AID-KIN1011>3.0.CO;2-I)
51. Micellar effect on the Reaction of Chromium(VI) Oxidation of D-Fructose in the Presence and Absence of Picolinic Acid in Aqueous Media. A Kinetic Study.
Asim K Das*, A. Roy, B. Saha, R. K. Mohanty* and M. Das, *J. Phys. Org. Chem.*, **14** (2001) 333-342.
DOI <https://doi.org/10.1002/poc.374>
52. Micellar Effect: Evidence in Favour of Different Mechanistic Paths of Chromium(VI) Oxidation of Formic Acid and Oxalic Acid in Aqueous Acid Media.
Asim K Das*, A. Roy, D. Kar and B. Saha, *J. Chem. Res. (S)*, (2001) 62-64.
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53. Kinetic and Mechanistic Aspects of Metal Ion Catalysis in Cerium(IV) Oxidation.
Asim K. Das*, *Coord. Chem. Rev.*, 213 (2001) 307-325.
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54. Micellar Effect on Chromium(VI) Oxidation of Ethanol and Propanol in Aqueous Acid Media.
Asim K. Das*, A. Roy, S. K. Mondal and G. Mukherjee, *React. Kinet. Catal. Lett.*, **73** (2001) 257-265.
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55. Cooxidation of Formic Acid and Oxalic Acid by Chromium(VI) in Aqueous Acid Media: A Kinetic Study.
Asim K. Das*, A. Roy, B. Saha and M. Das, *J. Chem. Res. (S)*, (2001) 334-335.
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56. Micellar Effect on the Reaction of Chromium(VI) Oxidation of D-glucose in the Presence and Absence of Picolinic Acid in Aqueous Media: A Kinetic Study

- Asim K. Das***, S. K. Mondal, D. Kar and M. Das, *Inorg. React. Mech.*, **3** (2001) 63-74.
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57. Micellar Effect on Mechanistic Paths of Chromium(VI) Oxidation of Butan-2-ol and Benzyl Alcohol in Aqueous Acid Media
Asim K. Das*, D. Kar and S. K. Mondal, *Inorg. React. Mech.*, **3** (2001) 83-89.
58. Micellar Effect on the Reaction of Chromium(VI) Oxidation of Formaldehyde in the Presence and Absence of Picolinic Acid in Aqueous Acid Media: A Kinetic Study
S.K Mondal, M. Das, D. Kar and **Asim K Das***, *Indian J. Chem., Sec. A*, **40** (2001) 352-360.
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59. Kinetics and Mechanism of the Picolinic Acid Catalysed Chromium(VI) Oxidation of Ethane-1,2-diol in the Presence and Absence of Surfactants
Asim K Das*, A. Roy and B. Saha, *Transition Met. Chem.*, **26** (2001) 630- 637.
<https://link.springer.com/article/10.1023/A:1012058409538>
60. Studies on Kinetics and Mechanism of Iridium(III) Catalysed Cerium(IV) Oxidation of D-Mannitol and D-Glucose in Aqueous Acid Media.
A. Roy and **Asim K. Das***, *Indian J. Chem. Sec. A*, **41** (2002) 2468-2474.

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61. Micellar Effects on the Reaction of Chromium(VI) Oxidation of Hexitols in the Presence and Absence of Picolinic Acid in Aqueous Acid Media.
B. Saha, M. Das and **Asim K. Das***, *J. Chem. Res. (S)*, 658-661 (2003).
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62. Micellar Effect on the Reaction of Chromium(VI) Oxidation of L-Sorbose in the Presence and Absence of Picolinic Acid in Aqueous Acid Media : A Kinetic Study.
B. Saha, M. Das, R. K. Mohanty and **Asim K. Das***, *J. Chin. Chem. Soc.*, **51** (2004) 399-408.
DOI <https://doi.org/10.1002/jccs.200400062>
63. Micellar Effect on the Kinetics and Mechanism of Chromium(VI) Oxidation of Organic Substrates.
Asim K. Das, *Coord. Chem. Rev.*, **248** (2004) 81-99.
DOI: [10.1016/j.cct.2003.10.012](https://doi.org/10.1016/j.cct.2003.10.012)
64. Kinetics and Mechanism of 2,2'-Bipyridine Catalysed Chromium(VI) Oxidation of Dimethyl Sulfoxide in the Presence and Absence of Surfactants.

- B. Saha, M. Islam and **Asim K. Das***, *J. Chem. Res. (S)*, (2005) 471-474.
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65. Kinetics and Mechanism of 2,2'-Bipyridine and 1,10-Phenanthroline Catalysed Chromium(VI) Oxidation of D-Fructose in Aqueous Micellar Media.
M. Islam, B. Saha and **Asim K. Das***, *J. Mol. Catal. A: Chem.*, **236** (2005) 260-266.
DOI <https://doi.org/10.1016/j.molcata.2005.04.019>
66. Oxidation of D-Glucose in Presence of 2,2'-Bipyridine by Chromium(VI) in Aqueous Micellar Media: A Kinetic Study.
R. Bayen, M. Islam, B. Saha and **Asim K. Das***, *Carbohydr. Res.*, **340** (2005) 2163-2170.
DOI <https://doi.org/10.1016/j.carres.2005.07.002>
67. Micellar Effect on the Catalytic Cooxidation of Dimethyl Sulfoxide and Oxalic Acid by Chromium(VI) in Aqueous Acid Media: A Kinetic Study.
B. Saha, M. Islam and **Asim K. Das***, *Prog. React. Kinet. Mech.*, **30** (2005) 215-226.
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B. Saha, M. Islam and **Asim K. Das***, *Inorg. React. Mech.*, **6** (2006)141-149.
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M. Islam, B. Saha and **Asim K. Das***, *Int. J. Chem. Kinet.*, **38(9)** (2006) 531-539.
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