

CURRICULUM VITAE

Dr SANKAR PRASAD DEY

Ph. D.(J.U.), Post-Doctoral Fellow,

Ministry of Research, U.P.S, France

Principal

Pijush Kanti Mukherjee Mahavidyalaya, Sonapur, Alipurduar

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1. Name (in block letters): **DR. SANKAR PRASAD DEY**

2. (a) Present Position: **PRINCIPAL**

b) Present Employer: **Pijush Kanti Mukherjee Mahavidyalaya, Sonapur, Alipurduar**

3. (a) Communication Address (in block letters): **RISHI APARTMENT**

FLAT- 1A, 79, RISHI BANKIM CHANDRA ROAD, P.O.: BEHALA

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(b) Phone: (Landline).....(Mobile): **9831233124**

(c) Email id: deysp2002@yahoo.co.in

4. Date of Birth: 12.03.1969 5. Gender: Male 6. Nationality: Indian

7. Educational qualifications

B. Sc. Hons. in Chemistry (Year: 1991): Midnapore College, Vidyasagar University.

M. Sc. in Chemistry and Chemical Technology (Year: 1993): Vidyasagar University.

Specialization in M.Sc.: ORGANIC CHEMISTRY

Qualified at NET/SLET/SET/GATE: NET-1996, GATE -1995

Ph. D.: Jadavpur University, Year: 2001

Post-Doctoral Research (ABROAD): At Universite Paul Sabatier, Tolouse, FRANCE

8. **Research Experience:** Period: **More than 27 years (Since 1995 till date)**

RESEARCH GUIDANCE (DOCTORAL LEVEL): Period: About **10** years

No. of Candidate awarded Ph.D. degree under my Supervision: **02** (from Jadavpur University)

No. of Ph.D. Thesis Examined: **02**

No. of Research Project Completed: 02 (Funded by UGC)

Research Area:

Synthesis of new **Heterocycles, Organo-metallic compounds** and **Schiff-Bases**. Isolation and biological activity study of some **natural products**. **Molecular Modelling and drug design**.

Publications of Research Papers

No. of research publications in the national and international Journal: **29**

Publication of Textbooks

No. of Textbooks Published (For B. Sc. General Courses in Chemistry): **04**

No. of Textbook published (For B.Sc. Hons. and M.Sc. Courses in Chemistry): **01**

Editor: Acted as Associate Editor of the Journal of the Indian Chemical Society.

9. a) Teaching Experience:

❖ **Associate Professor & Head, Department of Chemistry (UG & PG) (on Lien)**
Behala College, Parnashree, Kolkata-700060

❖ **Associate Professor & Head, Department of Chemistry, Srikrishna College, Nadia**

UG Course: About 23 years

PG Course: (Since 2006 till date) (About 18 years)

PG Course Co-ordinator and Guest Faculty: Diamond Harbour Womens' University, West Bengal.

Guest Faculty of PG Course: Ramakrishna Mission Residential College, Narendrapur. Kolkata

Guest Faculty of PG Course: Ramakrishna Mission Vivekananda Centenary College, Rahara, Kolkata

Guest Faculty of PG Course: Lady Brabourne College, Kolkata

b) Professional Experience:

1. Ex-Member of Board of Studies: 4 Years (University of Kalyani)

2. Ex-Secretary of the Teachers' Council: One academic session

3. Ex-Head of the Department (Srikrishna College and Behala College): About 19 years

4. Ex-Member of the Governing Body: More than 6 years

10. Co-curricular Activities:

1) Programme Officer of N.S.S Period: About **06** years.

Member:

1. Life Member of Indian Chemical Society, Kolkata

2. Life Member of Indian Association for the Cultivation of Science, Kolkata

3. Member BOS, Kalyani University

Founder and President: Sargeria High School, Paschim Minapore

11. Papers Presented in the Conferences/Seminars etc. by Dr. Sankar P. Dey

International Seminar/Symposium: 03 National Symposium/Seminar: 13

Sl. No	Title of the Paper	Year	Host Institution	National/International
1.	Computer aided drug designing for novel corona virus therapy	2020	Vijaygarh Jyotish Ray College, Kolkata	National
2.	Synthesis and Characterisation of diorganotin(IV) complexes derived from the ligand 3-(2-hydroxy-4-nitrophenylimino)-1-phenylbutan-1-one	2020	Behala College, Kolkata	National
3	Novel chalcones as Bcl-2inhibitor in lung cancer: Design, Docking and Synthesis	2019	Jadavpur University, Kolkata	National
4	Opportunities and Challenges of macrocycles in drug discovery for type 2diabetes mellitus: Dipeptidyl peptidase-IV(DPP4) inhibitors	2018	Jadavpur University, Kolkata	National
5	Synthesis and Crystal structure of diorganotin (IV) complexes derived from 4-hydroxy-4-phenylbut-3-en-2-ylideneamino-5-nitrophenol a ligand produced from benzylacetone and 2-amino-5-nitrophenol.	2017	BarrackpureRastraguru Surendranath College, Kolkata-700 120	National
6	Structure and Spectroscopy of diorganotin(IV) complexes derived from 4-hydroxy-4-phenylbut-3-en-2-ylideneamino-5-nitrophenol	2016	Indian Chemical Society, Kolkata, west Bengal	National
7	Hypervalent iodine oxidation of flavonols and 3-hydroxy-2-styrylchromones in different alcohols	2014	Sripat Sing College, Murshidabad, West Bengal	International
8	Synthesis and Characterisation of Symmetric binuclear diorganotin(IV) complexes derived from bis-tridentate ligand	2013	Indian Chemical Society, Kolkata, west Bengal	National
9	Formation of reductive cyclodimerisation and, β , β -coupling product by Zn/moist-THF and Lewis acid from α , β -unsaturated ketones	2012	Sripat Sing College, Murshidabad, West Bengal	National

10	Formation of oxygen heterocycles by alkali catalysed Claisen-Schmidt condensation of o-hydroxy acetophenones and different aromatic aldehydes in aqueous alcoholic medium	2012	Sripat Sing College, Murshidabad, West Bengal	National
11	Novel formation of (R, E)-3-hydroxy-N-(4-(3'-(2-hydroxyaryl)-3'-oxoprop-1'-enyl) phenyl)-2-alkoxy-2-(4-nitrophenyl)-2, 3-dihydrobenzofuran-3-carboxamides by base-catalysed condensation of 2-hydroxy acetophenones and p-nitrobenzaldehyde using different alcohols	2011	Midnapore College, Paschim Medinipore, West Bengal	International
12	(R)-(-) 6, 6a, 7, 12-tetrahydro-2, 3, 8, 9-teramethoxy-5H-isoquinolino [2,3-a] quinoline monohydrate: A new biologically active alkaloid from <i>Stephania glabra</i> .	2011	Midnapore College, Paschim Medinipore, West Bengal	International
13	Scientific Research Work of Acharya Prafulla Chandra Ray: A Brief Review	2011	Department of Chemistry, Chakdaha College, Nadia	National
14	An acid-catalysed rearrangement of allyl-4-hydroxybenzoates to 4-hydroxy-3-(hydroxyalkyl)benzoic acids	2008	Bankura Sammilani College, Bankura, West Bengal	National
15	Diorganotin(IV) complexes derived from 3-(2-hydroxyphenylimino)-1-phenylbutan-1-one ligand	2008	Bankura Sammilani College, Bankura, West Bengal	National
16	Zinc induced novel reductive cyclodimerisation of some α , β -unsaturated ketones	1997	Department of Organic Chemistry, IACS, Kolkata	National

12. Lecture Delivered as Invited Speaker in Seminar/Webinar/Symposium etc.:

Sl.No.	Topic	Organisation/Institution	Year	State/National Level
1.	Manab Kalyan O JaibaRasayan	Bangiya Sahitya Parishad, Kolkata-700006	2012	National Level (News Circulated in the Ananda Bazar Patrika)

2.	Discussion on importance of Science and its use for human society	Barakalankai High School (Golden Jubilee Celebration Program) Paschim Medinipur, W.B	2013	State Level
3.	Global warming and Human Civilization	Gama Chakaiadibasi kalian Vidyapith (Golden Jubilee Celebration Program), Paschim Medinipur, W.B	2016	State Level
4.	Molecular Modelling and Synthesis of Inhibitor Targeting Lung Cancer and COVID-19	Vijaygarh Jyotish Ray College,. Kolkata-32	2021(12.09.2021	International Webinar

13. Acted As Chair Person In Seminar/ Conferences:

Sl.No.	Topic	Organization/Institution	Year	Level
1	Arsenic pollution in west Bengal & Awareness Generation Programme	Srikrishna college, Nadia-741502	2005	National
2	Modern Trends in Chemistry for sustainable Development	Vijaygarh Jyotish Ray College, Kolkata-700032	2020	National

14. List of Publications of Papers by Dr Sankar P. Dey

1. NayimSepay, Manami Banerjee, Rajibulislam, **Sankar P. Dey**, and Umesh C. Halder,

Crystallography-based exploration of non-covalent interactions for the design and Synthesis of coumarin for stronger protein binding, *Phys.Chem.Chem.Phys.* (**Royal Society of Chemistry**), 2022, 24, 6605

DOI: 101039/d2cp00082b, ISSN No. 1463-9076 (print), (I.F. 3.676)

2. Ashique Al Hoque, Chayan guha, Nayim Sepay, **Sankar P. Dey**, Umesh C. Halder,

Anti-Covid-19 Sulphonamides: A DFT, docking and ADMET study, *Coronaviruses-The World first international journal dedicated to Coronaviruses,(Bentham Science)*, article ID: e190721194872, DOI:102174/266679670266610719103409, 2022,ISSN(online): 2666-7975, ISSN(Print): 2666-7967

3. **Dey* S. P.**, Sepay N., Mallik A.K., Patra A.; Novel Chalcones as Bcl-2 inhibitor in lung cancer: docking, design and synthesis of 2,3-Tetrasubstituted-2,3-dihydrobenzofuran-3-carboxamides. *J. Chem. Sciences. (Springer Science, IASc.)*, 2020, 132, 1-9 (Article number-105, Issue-1) (I.F.: 1.406)

4. **Dey* S. P.**, Chattopadhyay F. and Mallik A. K; Hypervalent iodine oxidation of flavonols and 3-hydroxy-2-styrylchromones in different alcohols; *J. Indian Chem. Soc., (ICS)*, 2016, 93, 1321-1324 (I.F.: 0.233)

5. Sepay N. and **Dey* S. P.** Synthesis and chemical reactivity of 4-Oxo-4H-1-benzopyran-3-carboxaldehyde, *Journal of Heterocyclic Chemistry(WILEY)*, 2014, 51, Pages E1-E24 (I.F.: 1.484)

6. Dey D.K., **Dey S. P.**, Karan N. K, Lyka A. and Rosair G. M; Structural and Spectral Studies of diorganotin(IV) complexes containing bis-tridentate N,N-bis(4-oxo-4-phenylbutan-2-ylidene)oxalohydrazide ligand, *Journal of Organometallic Chemistry(ELSEVIER)*, 2014, 749, 320-326 (I.F.: 2.304)

7. Mandal T.K, Pal R., Mondal R.,**Dey S. P.** and Mallik A.K, Schmidt reactions of *E*-3-Benzylidenechromanones and *E*-3-Benzylidenethiochromanones. *Journal of Chemistry (HINDAWI)*, 2013, Article ID 392128, 5 Pages (I.F.: 3.288)

8. Das J.K, Kander C.C, **Dey S. P.** and Mandal S.C ; *Advances in Pharmacology and Toxicology (CONNECT JOURNALS)*, Study of antimicrobial and wound healing activity of ethanolic extract of *Clerodendrum viscosum* leaf.; 2012,13, 33-39

9. Sahu R., Dewanjee S. Dua T.K, Gangopadhyay M., Das A.K., and **Dey S. P.**; Dereplication coupled with in vitro antioxidant assay identified of two flavonoid from *diospyros peregrina* fruit. *Natural Product Research (TAYLOR & FRANCIS)*, 2012, 26, 454-459 (I.F.:2.861)

10. **Dey* S. P.** and Mallik, A. K ; Formation of Organo-mercurio compounds by mercuric acetate oxidation of 2'-allyloxy-5-chloroacetophenone oxime and 2'-allyloxy-5-chloroacetophenone. *J. Indian Chem. Soc.. (ICS)*, 2011, 88, 437-441 ((I.F.: 0.233)

11. Das J.K, Choudhury S, Adhikary S, Das B., Sharma S., Mandal S.C and **Dey S. P** ; Anthelmintic activity of *clerodendrum viscosum*, *Oriental pharmacy and experimental medicine (SPRINGER)*; 2011, 11, 119-122 (I.F.: 0.211)

12. Das J.K, Kandar C.C, **Dey S. Pand** Mandal S.C ; Evaluation of analgesic activity of Clerodendrum viscosum linn.(verbenaceae)leaves on experimental animal modal. *International journal of pharma and biociences*,(ELSEVIER), 2011, 2, 345-349 (I.F.: 7.446)
13. Dey S.K, Shit S,**Dey S. P**, Mitra S. and Malik K.M. A; First report on thermally stable cadmium carbonyl complex containing an interesting chloroaryl bridge: Isolation and characterization. *Chemistry Letter*(CHEMICAL SOCIETY OF JAPAN), 2011, 40, 119-122 (I.F.: 1.484)
14. Mandal T.K, Pal R., Mondal R.,**Dey S. P.**and Mallik A.K.; NBS Oxidation of E-3-benzylidenechromanones to 3-(α -hydroxybenzyl)-chromones and 3-benzoylchromones. *Organic preparations and procedures international* (TAYLOR & FRANCIS), 2011, 43, 467-474 (I.F.: 1.591)
15. Dey D.K,**Dey S. P**, Lyka A.andRosair G. M ; Structure and spectroscopy of diorganotin(IV) complexes derived from N'-(2-hydroxy-3-methoxybenzylidene)benzohydrazide. *Polyhedron* (ELSEVIER), 2011, 30, 2544-2549 (I.F.: 2.880)
16. Bose S.K, Dewanjee S., Sahu R. and **Dey S. P.** (2011) Effect of bergapten from *Heracleum nepalense* root on production of proinflammatory cytokines. *Natural Product Rresearch* (TAYLOR & FRANCIS), 2011,25, 1444-1449 (I.F.:2.861)
17. **Dey* S. P (Sole Author)**;Aluminium chloride assisted zinc-induced reduction of some α , β -unsaturated ketones. *J. Indian Chem. Soc.* (ICS), 2009,86, 761-763 (I.F.: 0.233)
18. **Dey* S. P** and Dey D.K (2009) Acid-catalysed rearrangements of allyl 4-hydroxybenzoate and 3-methylbut-2-enyl-4-hydroxybenzoate. *J. Indian Chem. Soc.* (ICS), 2009, 86, 485-487 (I.F.: 0.593)
19. Dey D.K, **Dey S. P**, Karan N.K, Dutta A, Lyka A.andRosair G.M ; Structural and Spectral study 3-(2-hydroxyphenylimino)-1-phenylbutan-1-one and its diorganotin (IV) complexes. *Journal of Organometallic Chemistry* (ELSEVIER), 2009, 694, 2434-2441 (2.304)
20. Dewanjee S, Maiti A, Das A.K, Mondal S.C and **Dey S. P**;Swietenine: A potential oral hypoglycemic from *Swietenia macrophylla* seed. *Fitoterapia*, (ELSEVIER), 2009,80, 249-251(I.F.: 2.527)
21. **Dey S. P**, Dey D.K, Dhara M.G and Mallik A. K.; Reduction of some flavavanones and E-3-benzylidene flavanones under modified Clemmensen reduction condition. *J. Indian Chem. Soc.*, (ICS), 2009, 85, 717-720 (I.F.: 0.233)

22. Dey* S. P., Dey D.K, Mallik A.K and Dahlenberg, L.; Configuration of the major stereoisomer of Zn/AcOH reduction product of 4-Oxo-4H- chromene-3-carbaldehyde. *Journal of Chemical Research (SCIENCE REVIEWS LIMITED)*, 2007, 89-90 (I.F.: 0.593)

23. Dey* S. P., Dey D.K, Mallik A.K and Dahlenberg, L.; 6-(2-Hydroxybenzoyl)-5-(pyrrol-2-yl)-3H-pyrrolizine. *Acta Crystallographica Sec C. (WILEY)*, 2003, 0321-0322 (I.F.: 8.678)

24. Mallik A.K, Dey S. P., Chattopadhyay F. and Patra A.; Novel formation of 6-acyl-5-(2-pyrrolyl)-3H-pyrrolizines by base catalysed condensation of pyrrole-2-aldehyde with methyl ketones. *Tetrahedron Lett. (ELSEVIER)*, 2002, 43, 1295-1297 (I.F.:2.379)

25. Dey S.K., Roychoudhury C., Dey S. P., Dey D.K, Mondal N., Malik K.M.A and Mitra S.; Synthesis and the crystal structure of a copper (II) complex derived from novel tridentate ligand. *Journal of Chemical Research (SCIENCE REVIEWS LIMITED)*, 2002, 496-499 (I.F.:0.593)

26. Dey D.K, Dey S. P., Elmali A. and Elerman Y.; Molecular Structure and Conformation of N-2-[3'-methoxysalicyldeneimino]benzyl]- 3''-methoxysalicyldeneimine. *Journal of Molecular Structure (ELSEVIER)*, 2001, 562, 177-184 (I.F.: 2.011)

27. Dey D.K, Dey S. P., Elmali A. and Elerman Y.; Crystal Structure and Conformation of 2-((2'-aminobenzyl)iminoethyl)-5-ethoxyphenol., *Z. Natureforsch(CHEMICAL SCIENCES)*, 2001, 56b, 375-380 (I.F.: 1.047)

28. Mallik A.K, Chattopadhyay F. and Dey S. P.; Novel conversion of 3-(α -Hydroxybenzyl)flavones to 3-benzylchromones and 3-cyanoflavones with Na₃TFA. *Tetrahedron Lett.(ELSEVIER)*, 2000, 41, 4929-4931 (I.F.: 2.379)

29. Dey S. P. and Mallik, A.K. ; Zinc-induced novel reductive cyclodimerisation of some α , β -unsaturated ketones, *Indian J. Chem.(NISCAIR)*, 1999, 38B, 400-402 (I.F.: 0.592)

Books Published by Dr. S. P. Dey

<u>Sl. No.</u>	<u>Title of the Book</u> (TEXT BOOKS)	<u>Name of the Publishers</u> (National)	<u>Name of Author</u>	<u>ISBN Number</u>	<u>Year of Publication</u>
<u>1</u>	<u>SnatakSadharan O</u>	<i>Oriental Book Company</i>	<i>Dr. S. P. Dey</i>	978-93-82886-29-	2015

	AjaibaRasayan (Vol. I)	<i>Private Limited</i>		7	
<u>2</u>	SnatakSadharan O AjaibaRasayan (Vol. II)	<i>Oriental Book Company Private Limited</i>	Dr. S. P. Dey	978-93-82886-3	2015
<u>3</u>	<u>SnatakParikshagareRasayan(Vol.I)</u>	<i>Santra Publication Pvt. Ltd, Kolkata</i>	Dr. S. P. Dey	978-93-86911-28-5	2018
<u>4</u>	<u>SnatakParikshagareRasayan(Vol.II)</u>	<i>Santra Publication Pvt. Ltd, Kolkata</i>	Dr. S. P. Dey	978-93-86911-70-4	2019
<u>5.</u>	A Textbook of Green Chemistry (UG & PG)	<i>Techno world, Kolkata</i>	S. P. Dey and N. Sepay	978-93-92145-032	2022