


Curriculum Vitae

Name:	Dr. Sadhan Mondal	
Current Position:	Assistant Professor in Chemistry Department of Chemistry (UG & PG) Vivekananda Mahavidyalaya, Burdwan Since 21.04.2010 – Till date	
Previous Employment:	Assistant Teacher in Chemistry Bardhaman Banipith High School Anita Cinema Lane, Purba Bardhaman Period: 01.09.1999 -20.04.2010	
Education	Ph.D: Organic Chemistry, Visva- Bharati (Central University), Santiniketan, in 2008. M.Sc: Chemistry (with spl. In Physical Chemistry), Visva- Bharati, 1990- 1992. B. Sc: Chemistry (Honours) , Siksha –Bhavana, Visva- Bharati, 1987-1990.	
Awards	✓ Junior Research Fellowship from Council of Scientific and Industrial Research, Govt. of India in 2003. ✓ National Merit Scholarship (1985) from MHRD, Govt of India in Madhyamik Examination.	
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Chronological List of Publication of Dr. Sadhan Mondal

List of Research Articles Published in International/National Journals:

1. FT-IR, UV- Visible and NMR Spectral Analyses, Molecular Structure, and Properties of Nevadensin Revealed by Density Functional Theory and Molecular Docking, Abhishek Kumar, Ambrish Kumar Sri vastava, Shashi Kumar Gangwar, Neeraj Misra, Goutam Brahmachari, Avijit Mondal and **Sadhan Mondal**, *Polycyclic Aromatic Compounds* (Taylor & Francis), Published Online : 2nd May, 2018, <https://doi.org/10.1080/10406638.2018.1458741>

2. **1, 6- Dihydroxy-3-methyl-9, 10-anthraquinone: An anti-cancerous natural pigment from *Cassia sophera* Linn.** Goutam Brahmachari, Avijit Mondal, **Sadhan Mondal**, Luzia Valentina Modolo, Angelo de Fatima, Ana Lucia Tasca G. Ruiz & J. E. de Carvalho, *Indian Journal of Chemistry*, Section B, Vol. 56B, December **2017**, pp. 1251 – 1255. (ISSN **0376-4699**).
3. **Bioactive flavonoid fisetin – A molecule of pharmacological interest**, S. K. Jash and **S. Mondal***, *Signpost Open Access J. Org. Biomol. Chem.*, **2**, **2014**, 89-128. (Volume **02**, Article ID 010314, ISSN:**2321-4163**) (<http://signpostejournals.com>).
4. **A new pentacyclic triterpene with potent antibacterial activity from *Limnophila indica* Linn. (Druce)**, G. Brahmachari*, N. C. Mandal, R. Roy, R. Ghosh, S. Barman, S. Sarkar, S. K. Jash and **S. Mondal**, *Fitoterapia*, **90**, **2013**, 104–111.
5. **Stevioside and Related Compounds – Molecules of Pharmaceutical Promise : A Critical Overview**, Goutam Brahmachari, Lalan C. Mandal, Rajiv Roy, **Sadhan Mondal** and Arun K. Brahmachari, *Arch. Pharm.Chem. Life Sci*, **2011**, **1**, 5-19.
6. **Cyclic voltammetric studies with plant extracts of some traditionally used Indian medicinal plants to evaluate their antioxidant potential**, Goutam Brahmachari*¹, Susanta Ghosh², **Sadhan Mondal**¹, Shyamal K. Jash¹, Lalan C. Mandal¹ and Avijit Mondal¹, *Biochemistry- An Indian Journal*, **2009**, **3**(1), 32-35.
7. **X-ray study of weak interactions in two flavonoids**, D. Sharma, V. K. Gupta, G. Brahmachari, **S. Mondal** and A. Gangopadhyay, *Bulletin of Materials Science*, **2007**, **30**(5), 469-475.
8. **Naturally occurring bioactive O-heterocycles: A quest for new sources**, G. Brahmachari, **S. Mondal**, S. K. Jash, K. S. Mandal, S. Chattopadhyay, A. Gangopadhyay, *Natural Products – An Indian Journal*, **2006**, **2**(3-4), 74-77.
9. ***Swertia* (Gentianaceae): Chemical and Pharmacological aspects**, G. Brahmachari, **S. Mondal**, A. Gangopadhyay, D. Gorai, B. Mukhopadhyay, S. Saha and A. K. Brahmachari, *Chemistry & Biodiversity* (Verlag Helvetica Chimica Acta AG, Zürich), **2004**, **1**(11), 1627-1651.
10. **5,8-Dihydroxy- 6,7,4' – trimethoxyflavone, a novel flavonoid constituent of *Limnophila indica***, G. Brahmachari, D. Gorai, D. Chatterjee, **S. Mondal** and B. Mistri, *Indian J. Chem.*, **2004**, **43B**(1), 219-22.
11. **Triterpenes from *Borreria articularis***, K. S. Mukherjee, B. Mukhopadhyay, **S. Mondal**, D. Gorai and G. Brahmachari, *J. Chinese Chemical Soc.*, **2004**, **51**(1), 229-31.

12. A new naturally occurring xanthone bearing rare oxygenation pattern from *Hoppea fastigiata*, Goutam Brahmachari, D. Gorai, A. Gangopadhyay, **S. Mondal** and D.Chatterjee, *J. Chemical Research (S)*, **2003**, No. 6, 362-63.

13. An ethylenedioxy flavonoid carboxylic acid from *limnophila indica*, G. Brahmachari, D. Gorai, S. M. A. Sohel, **S. Mondal** and B. Mistri, *J. Chinese Chemical Soc.*, **2003**, 50(2), 325-28.

14. A new triterpene from *Adiantum lunulatum*, K. S. Mukherjee, **S. Mondal**, S. M. A. Sohel, D. Chatterjee, P. Mukherjee and G. Brahmachari, *Indian J. Chem. Sec. B*, **2003**, 42B(10), 2665-67.

15. Review on the phytochemicals and biological activities of *Adiantum* species, G. Brahmachari, **S. Mondal**, D. Chatterjee and A. K. Brahmachari, *J. Sci. Ind. Res.*, **2003**, 62(12), 1119-30.

16. Publication as Book Chapter:

Goutam Brahmachari, **Sadhan Mondal** and Shyamal K. Jash (2008), *Nuclear magnetic resonance spectroscopic behaviour of natural abietane-diterpenoids: A look through. In: Natural Products: Chemistry, Biochemistry and Pharmacology*, Goutam Brahmachari (ed), Narosa Publishing House, New Delhi / Alpha Science International, Oxford, pp. 734-781.

Seminars/Conferences Proceedings Abstracts

- 1. Significance of biodiversity and natural products in drug discovery programme – An Overview, Sadhan Mondal**, *Proceedings of the Two Days International Webinar on Biodiversity and Sustainable Development in Human Welfare*, Bijoy Krishna Girls' College in collaboration with West Bengal Biodiversity Board, 5/3 M.G. road, Howrah-711101, WB, India, July 29-30, **2020**.
- 2. Repurposing of known antiviral drugs to combat against novel coronavirus (COVID-19) – burning issues and challenges, Sadhan Mondal**, *Proceedings of the One-day International Webinar on " COVID-19, The Facts and Findings"*, Department of Chemistry, Sidho-Kanho-Birsha University, Purulia – 723104, WB, India, June 8, **2020**.
- 3. Isolation and structural confirmation of 5-Hydroxy-6,7,4'-trimethoxyflavone from a new natural source *Limnophila rugosa* (Rotth) Merrill (Scrophulariaceae), Sadhan Mondal**, *Proceedings of the International Seminar on Advancements in Chemical Sciences: Issues and Challenges*, Department of Chemistry, Bidhan Chandra College, Asansol, WB, India in collaboration with Indian Chemical Society, 92, Acharya Prafulla Chandra Road, Kolkata-70009, February 4-5, **2020**.

4. **Poriferasterol – a natural phytosterol from *Cassia sophera* Linn. (Caesalpinaceae): Isolation, Characterization, and combined experimental and quantum mechanical studies**, Sadhan Mondal, *Proceedings of International Symposium on “Chemistry for Human Welfare”*, Department of Chemistry, University of Gour Banga, Malda, West Bengal, India, 7th April, **2017**.
5. **Nevadensin – a potent antibiotic natural drug molecule: Correlation of in vitro experimental results with molecular docking studies**, Sadhan Mondal, *Proceedings of UGC Sponsored National Level Seminar on “The Biggest Challenge of Green Chemistry: To Use Its Rule In Practice”*, Department of Chemistry, A.K.P.C. Mahavidyalaya, Bengai, Hoogly-712611, West Bengal, India & Department of Environmental Science, The University of Burdwan, 8th & 9th October, **2015**.
6. **A Novel Antibacterial Triterpenoid from *Limnophila indica* (Scrophulariaceae)**, Sadhan Mondal, *Proceedings of UGC Sponsored National Seminar on UGC Sponsored National Seminar on “Recent Developments in Green Chemistry (RDGC-2015)”*, Department of Chemistry, Gushkara Mahavidyalaya, Gushkara, Burdwan-713128, West Bengal, India, 22nd March, **2015**.
7. **Isolation, Chemistry and Molecular Docking of A Biologically Relevant Anthraquinone from *Cassia sophera* Linn. (Caesalpinaceae)**, S. Mondal, N. Misra and G. Brahmachari, *Proceedings of the National Level Seminar on Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structural Evaluation*, Department of Chemistry, The University of Burdwan, West Bengal, India, February 19-21, **2015**, OP-9.
8. **Bioorganic Green Synthetic Protocol for facile production of Silver nanoparticles**, Sadhan Mondal, *Proceedings of UGC Sponsored National Seminar on UGC Sponsored National Seminar on “Advanced Instrument Used In Current Research”*, Department of Chemistry and Physics, Sri Ramkrishna Sarada Vidyamahapitha, Kamarpukur, Hooghly-712612, West Bengal, India, September 20-21, **2013**.
9. **Reinvestigation on the Chemical Constituents of *Argemone mexicana* Linn. (Papaveraceae)**, Goutam Brahmachari*¹, Rajiv Roy¹, Sasadhar Majhi¹, Avijit Mondal¹ and Sadhan Mondal² *Proceedings of the 99th Session of The Indian Science Congress, Bhubaneswar, Jan. 3-7, 2011, Part- II*, p. 76.
10. **New natural source and X-ray crystallographic studies of 5-hydroxy-3,7,4'- trimethoxyflavone**, A. Gangopadhyay, S. Chattopadhyay, S. Mondal, D. Gorai and G. Brahmachari, *Proceedings of the Current Trends in Chemistry, Department of Chemistry, University of Kalyani*, January 30-31, **2007**, P-22, 33.
11. ***Limnophila rugosa* – A new source for Salvigenin**, G. Brahmachari, S. K. Jash, A. Gangopadhyay, and S. Mondal, *Proceedings of the 42nd Annual Convention of Chemists- Feb. 9-13, 2006, Santiniketan, OP-11, C-10*.
12. ***Limnophila heterophylla* – A new source for Nevadensin**, G. Brahmachari, S. Mondal, D. Gorai and K. S. Mandal, *Proceedings of the 42nd Annual Convention of Chemists, Feb. 9-13, 2006, Santiniketan, OP-12, C-11*.
13. **A New hopane triterpene from *Adiantum lunulatum***, Goutam Brahmachari, Arindam Gangopadhyay and Sadhan Mondal, Nineteenth National Symposium on Organic chemistry (NASOC-XIX), The University of Kolkata, 29th March **2005**.
14. **Chemical screening of *Hopaea fastigiata* – a significant indigenous medicinal plant**, Goutam Brahmachari, Sadhan Mondal and Shyamal K. Saha, *Proceedings of the national conference on medicinal and aromatic plants-2005 (NACMAP-05)*, Bejoy Narayan Mahavidyalaya, Itachuna, Hoogly, p-30.
15. **A new flavonoid from *Limnophila indica***, G. Brahmachari, A. Gangopadhyay, S. Mondal, D. Gorai and D. Chatterjee, *Proceedings of the 91st Session of The Indian Science Congress, Chandigarh, Jan. 3-7, 2004, Part- IV*, p. 41.

Research Project Completed:

Sl. No.	Title	Agency	Period	Grant / Amount mobilized (Rs.)
1.	In Search of Novel Phytochemicals from Locally Available Medicinal Plants with Antimicrobial and Antioxidant Potential	University Grants commission (UGC)	20.03.2013 - 19.03. 2015 (Two Years)	2 Lacs [Ref. No. F. PSW-25/12-13 (ERO), dated-05.02.2013]

Other Activities:

1. Invited Chairperson in the International Webinar on “*Recent Advancement In Biological Science*” organized by Department of Zoology, Vivekananda Mahavidyalaya, Burdwan, Purba Bardhaman-713103, West Bengal, India, held on October 18, **2020**.
2. Invited Judge in Birbhum District Student-Youth Science Fair-2015 held on 22-23 September, **2015**, at Indoor Stadium, Suri, Birbhum where the students of Madhyamik level, Higher Secondary level and Colleges participated with their scientific models for competition.
3. Served as a member of the *Board of Research Studies* in Chemistry, The University of Burdwan for the Academic Sessions: **2014-2015 & 2015-2016**.
4. Invited Judge in Birbhum District Science Fair & Science Seminar-2014 of Students of School and College levels on “Innovations in Agriculture for a Sustainable Future: Prospects and Challenges” held on 3-4 September, **2014**, at Bolpur High School, Bolpur, Birbhum.
5. Invited Chairperson in UGC Sponsored Two-Days National Seminar on “Advanced Instruments Used In Current Research” organized by Department of Chemistry and Physics, Sri Ramkrishna Sarada Vidyamahapitha, Kamarpukur, Hooghly-712612, West Bengal, India, held on September 20-21, **2013**.
