

## PERSONAL PROFILE

**Name** : DR. UDAY CHAND SAHA  
**Designation** : **Associate Professor**  
Department of Chemistry  
Indas Mahavidyalaya, Indas  
Bankura-722205, W.B., India  
**Date of Joining** : 12/01/2007



**Educational Qualification** :

- **Madhyamik Examination** (M.P./10+), 1995  
Amdohi High School, Amdohi, Bankura, W.B.
- **Higher Secondary Examination** (H.S.), 1997  
Bishnupur High School, Bishnupur, Bankura, W.B.
- **B.Sc.** (Chemistry), 2001  
Vivekananda Mahavidyalaya, Burdwan, W.B.
- **M.Sc.** (Chemistry), 2003  
The University of Burdwan, Burdwan, W.B.
- **Ph.D.** (Chemistry), 2021  
The University of Burdwan, Burdwan, W.B.

**Additional Qualification** : NET (JRF-UGC), June-2003

**Permanent Address** : Ujjayini, Opposite Indrakanan, Behind Ashirbad  
Marriage Hall, P.O. – Sripalli, Burdwan  
Dist. –Purba Bardhaman, 713103, W.B., INDIA

**Contact Number** : (+91) 9474493512

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**Area of Teaching** : Inorganic & General Chemistry

**Teaching Experiences** :

<b>Designation with Institution</b>	<b>Duration</b>
<i>Associate Professor</i> , Indas Mahavidyalaya, Indas, Bankura, W.B.	12/01/2021 – Present
<i>Assistant Professor</i> , Indas Mahavidyalaya, Indas, Bankura, W.B.	12/01/2007 – 11/01/2021
<i>Asstt. Teacher</i> , Sagarbhanga High School, Sagarbhanga, Durgapur-713211, Burdwan, W.B.	02/05/2005 - 11/01/2007
<i>Asstt. Teacher in Deputation Vacancy</i> , Kotalpur High School, Kotulpur, Bankura, W.B.	11/09/2003 - 15/05/2004

**Research interest:** Synthetic development of fluorescence probe and their studies.

**List of Publications in National/International Journal:**

1. Recent development of a fluorescent probe for in vivo detection of hydrogen peroxide, Subrata Kumar Saha and **Uday Chand Saha**, **International Journal of Life science and Pharma Research**, **2020**, 196-203
2. Development of fluorescent probes for mercury ion ( $\text{Hg}^{2+}$ ) detection, **Uday Chand Saha**, **International Journal of Scientific Research and Review** **2018**, 7, 422-431
3. Zinc sensor: design, synthesis and photophysical studies, **Uday Chand Saha**, **Cikitusi Journal For Multidisciplinary Research** **2018**, 5, 246-253
4. A highly sensitive pH fluorescent probe and its application, **Uday Chand Saha**, **International Journal of Scientific Research and Review** **2018**, 7, 559-565
5. A new fluorescent probe for turn-on detection of pH using 2,6-bis-[(1-Hbenzoimidazol-2-ylmethylimino) methyl]-4-methylphenol: imaging application in living cells, **Uday Chand Saha**, Sushil Kumar Mandal, Siddhartha Pal, Anisur Rahman Khuda-Bukhsh, Pabitra Chattopadhyay, Koushik Dhara, **Biochemistry & Molecular Biology Letters**, **2015**, 1(2), 065-073
6. A new half-condensed Schiff base compound: highly selective and sensitive pH-responsive fluorescent sensor, **Uday Chand Saha**, Koushik Dhara, Basab Chattopadhyay, Sushil Kumar Mandal, Swastik Mondal, Supriti Sen, Monika Mukherjee, Sander van Smaalen, and Pabitra Chattopadhyay, **Organic Letters**, **2011**, 13, 4510-4513
7. A highly selective fluorescent chemosensor for zinc ion and imaging application in living cells, **Uday Chand Saha**, Basab Chattopadhyay, Koushik Dhara, Sushil Kumar Mandal, Sandipan Sarkar, Anisur Rahman Khuda-Bukhsh, Monika Mukherjee, Madeleine Helliwell, and Pabitra Chattopadhyay, **Inorganic Chemistry**, **2011**, 50, 1213–1219
8. A new water-soluble copper(II) complex as a selective fluorescent sensor for azide ion, Koushik Dhara, **Uday Chand Saha**, Abhijit Dan, Sandipan Sarkar, Mario Manassero and Pabitra Chattopadhyay, **Chemical Communication**, **2010**, 46, 1754-1756

**List of Conference Books/Book Chapters Publications:**

1. Fluorescent probe for detection of pH: imaging application in living cells, **Uday Chand Saha**, **2020**, published by **SCIENTIFIC WORLD** (ISBN: 978-93-84387-76-1)

## Papers presented in Conferences/Seminars/Workshops/Symposia:

1. A New Lysosome-Targetable Fluorescence Sensor for Cellular Imaging of  $\text{Hg}^{2+}$  in Living Cells, International Webinar on Chemistry and Biology: Sustainable Progress of Human Civilization organized by Dept. Of Chemistry, Bidhan Chandra College, Asansol in collaboration with Indian Chemical Society, 29-30<sup>th</sup> June 2020
2. A New Turn-On Fluorogenic Probe for Carbon Monoxide Detection in Aqueous Medium, International Symposium on Current Trends in Chemistry, organized by Dept. Of Chemistry, Diamond Harbour Women's University in association with Indian Chemical Society, 10<sup>th</sup> January 2020
3. A new Half-Condensed Schiff-base Compound: Highly Selective and Sensitive pH-Responsive Fluorescent Sensor, International Science Seminar on "Science: Past, Present & Future" organized by Syamsundar College & Indian Chemical Society, 12<sup>th</sup> December, 2017
4. A Highly Selective Zinc Ion Fluorescent Sensor for Imaging in Living Cell, International "Science Seminar" organized by Burdwan Raj College, Burdwan and Indian Chemical Society, 10<sup>th</sup> October, 2017
5. A Selective Azide Ion Fluorescent Sensor, Chemistry Today - Nanoworld to Macroworld organized by Dept. of Chemistry, Sonamukhi College in Collaboration with Dept. of Chemistry, Indas Mahavidyalaya, Bankura, 22-23<sup>rd</sup> December, 2016
6. A New Fluorescent Probe for Turn-on Detection of pH Using 2,6-bis-[(1-H-benzimidazol-2-ylmethylimino)-methyl]-4-methylphenol: Imaging Application in Living Cells, Chemistry on Its Way: Impacts on the Environment organized by Dept. Of Chemistry, Saldiha College, in collaboration with Dept. of Chemistry, Bankura Sammilani College, Bankura, 1-2<sup>nd</sup> September, 2016
7. Development of Fluorescent Probe for the Direct Detection of Histone Deacetylase Activity, Advanced Instrument Used In Current Research organized by Dept. Of Chemistry & Physics, SRSV, Kamarpukur, Hooghly, 20-21<sup>st</sup> September, 2013
8. A New Water-Soluble Copper(II) Complex Acts As a Selective Fluorescent Sensor for Azide Ion, National Seminar on Current Trends in Chemistry-IV(NSCTC-IV) organized by Department of Chemistry, University of Kalyani, Kalyani, 26<sup>th</sup> February, 2010

## Chairing the session for conference/symposia etc.:

1. National Seminar on "Advanced Instrument Used In Current Research", organized by Dept. Of Chemistry & Physics, SRSV, Kamarpukur, Hooghly

### Participation in seminar/conference/symposia/workshop etc.:

1. International webinar on “Role of Chemistry in Human Benefit: Three Tales” organized by The Department of Chemistry, Acharya Jagadish Chandra Bose College in collaboration with IQAC & Indian Chemical Society on 15-17<sup>th</sup> July, 2020
2. International Training Programme on Crisis of Disaster Management organized by Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Department of Social Work, Madras Christian College, Chennai, Tamil Nadu on 09-11<sup>th</sup> July, 2020
3. International webinar on “Recent Developments in Organic and Applied Chemistry-2020” organized by Department of Chemistry, School of Applied Sciences Kalinga Institute of Industrial Technology(KIIT) Deemed to be University, Bhubaneswar, Odisha on 6-7<sup>th</sup> July, 2020
4. International webinar on “Covid-19: Problems and Challenges” organized by Government General Degree College, Ranibandh, Bankura on 26-27<sup>th</sup> June, 2020
5. International webinar on “Current Overview and Future Aspects of Ongoing Covid-19 Pandemic” organized by Department of Chemistry, Bankura University, Bankura on 17-20<sup>th</sup> JUNE, 2020
6. International webinar on “Trajectory of COVID 19 Pandemic: Awareness, Treatment and Genomic Insight for Future Development” organized by Department of Microbiology, Bankura Sammilani College, Bankura on 14-15<sup>th</sup> June, 2020
7. National seminar on “Science Academies’ Lecture Workshop” organized by Joint Science Education Panel: IASc, INSA , NASI at Saldiha College, Bankura on 17-18<sup>th</sup> February 2017
8. Workshop for orientation / awareness programme on NAAC accreditation organized by WBSCHE in collaboration with Burdwan University, DDE Auditorium on 28<sup>th</sup> Aug., 2015
9. National seminar on “Recent Advances in Chemical Sciences” organized by Department of Chemistry, The University of Burdwan on 15-17<sup>th</sup> Mar, 2012
10. National seminar on “International Year of Chemistry: Chemistry in Our Lives under the thrust area ‘Design, Synthesis, Interaction, Chemical and Biochemical Activities of Different Functional molecules” organized by Department of Chemistry, The University of Burdwan on 15-17<sup>th</sup> March, 2011
11. National seminar on “Chemistry Today” organized by Department of Chemistry, The University of Burdwan on 18-20<sup>th</sup> March, 2010
12. State level seminar on “Application of Spectroscopy: Atomic to Molecular Systems” organized by Department of Chemistry, Vivekananda Mahavidyalaya, Burdwan on 20-21<sup>st</sup> March, 2009

13. National seminar on “Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structure Evaluation” organized by Department of Chemistry, The University of Burdwan on 25-27<sup>th</sup> April, 2008
14. International “Seventh Biennial DAE-BRNS Symposium on Nuclear and Radiochemistry (NUCAR 2005)” organized by Guru Nanak Dev University, Amritsar, India on 15-18<sup>th</sup> March, 2005
15. National “55<sup>th</sup> BRNS-IANCAS National Workshop on Radiochemistry and Application of Radioisotopes” organized by Department of Chemistry and Academic Staff College, Burdwan University and Indian Association of Nuclear Chemists and Allied Scientists(IANCAS) on 29<sup>th</sup> Oct.-6<sup>th</sup> Nov., 2004

### SEMINAR/WORKSHOP ORGANIZED:

1. As Convener, organized one day International Webinar in association with IQAC, Indas Mahavidyalaya entitled “**Role of Chemistry in Recent Technology**” on 23rd August 2020 through Google Meet and You tube.

### PROFESSIONAL TRAINING:

	<b>Programme</b>	<b>Duration</b>	<b>Organized by</b>
1.	Short Term Course in Bioinformatics and Artificial Intelligence	28-12-2020 to 02-01-2021	HRDC University of Mumbai
2.	Faculty Development Programme on Recent Advances in Materials Science	08-07-2020 to 12-07-2020	Department of Chemistry Amity Institute of Applied Sciences Amity University
3.	Short Term Course on Gender and Society	19-09-2019 to 25-09-2019	HRDC The University of Burdwan
4.	Refresher course in Chemistry	01-06-2017 to 21-06-2017	FDC, IIT (ISM) Dhanbad
5.	21 <sup>st</sup> Refresher course in Environmental sciences	22-09-2012 to 12-10-2012	UGC-ASC The University of Burdwan
6.	75 <sup>th</sup> Orientation programme	08-05-2010 to 04-06-2010	UGC-ASC The University of Burdwan

### Administrative/Academic Activities:

1. Acted as G.B. member of Sonamukhi College from 2020-21 onwards
2. Acted as G. B. Member of Akui Kamalabala Women's College from 2018 onwards
3. Acted as Member of Under Graduate Board of Studies (UGBS) in Chemistry, Bankura University from 2017-18 onwards
4. Acted as G. B. Member of Indas Mahavidyalaya since 2007-08
5. Acted as member of different sub-committees of Indas Mahavidyalaya since 2007

Date: November, 2023



(Uday Chand Saha)