

## Personal Profile

<b>Name</b>	<b>Dr Santanu Mandal</b>	Photo
<b>Designation</b>	<b>Associate Professor of Chemistry</b>	
<b>Date of birth</b>	<b>20/10/1974</b>	
<b>Educational Qualification</b>	<b>M.Sc., Ph. D</b>	
<b>Permanent address</b>	<b>18 - 1/D</b> <b>Green Garden</b> <b>Mithila, Bankura</b> <b>Pin - 722155</b>	
<b>Contact number</b>	<b>9064389589</b>	
<b>E-mail</b>	<b>santanu@bankurachristiancollege.in</b>	
<b>Date of joining this institution</b>	<b>18-07-2003</b>	
<b>Past services</b>	<b>Nil</b>	
<b>Areas of teaching</b>	<b>Organic Chemistry</b>	
<b>Vidwan Portal ID</b>	<b>287984</b>	
<b>ORCID ID</b>	<b>0000-0003-0600-9156</b>	
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<b>Research Gate ID</b>	<b>santanubcc09@gmail.com</b>	

### FACULTY DEVELOPMENT PROGRAMME

Sl. No	Courses	Sponsoring Agency	Institutions	Date
1.	Orientation Program	UGC	Academic Staff College, University of Burdwan	29.01.2005 - 25.02.2005
2.	Refresher Course in Chemistry	UGC	Academic Staff College, University of Calcutta	22.08.2008 - 11.09.2008

3.	Refresher Course in Chemistry	UGC	University of North Bengal	30.10.2014 – 19.11.2014
4.	Refresher Course in Environmental Education(ID)	UGC	University of Lucknow	04.07.2017 - 25.07.2017

### Research Journal/Publication (National and International)

#### International:

1. Synthesis, crystal structure and antibacterial activity of four mononuclear Schiff base complexes of copper (II) and nickel (II)  
Mandal, Santanu; Layek, Manas; Saha, Rajat; Rizzoli, Corrado; Bandyopadhyay, Debasis;  
Transition Metal Chemistry, 46, 9 – 16, (2021), Springer.
2. Synthesis and crystal structure of some first-row transition metals containing a common Schiff base  
Mandal, Uttam; Mandal, Santanu; Chakraborty, Bikash; Rizzoli, Corrado; Bandyopadhyay, Debasis;  
Polyhedron, 177, 114320, (2020), Elsevier.
3. Synthesis, crystal structure and antibacterial activity of manganese (III) and cobalt (III) complexes containing pentadentate Schiff bases of a common amine and thiocyanate  
Mandal, Santanu; Sen, Tinku; Mandal, Uttam; Bhunia, Dipankar; Rizzoli, Corrado;  
Bandyopadhyay, Debasis;  
Journal of Coordination Chemistry; 72, 22-24, 3614-3624, (2019), Taylor & Francis
4. Synthesis, crystal structure, and antimicrobial activity of a series of cobalt (III) Schiff base complexes  
Ghosh, Mahendra; Mandal, Santanu; Fleck, Michel; Saha, Rajat; Rizzoli, Corrado;  
Bandyopadhyay, Debasis;  
Journal of Coordination Chemistry, 71(24) 4180-4193, (2018), Taylor & Francis
5. Synthesis, characterization and pseudopolymorphism of a phenoxo-bridged binuclear manganese(III) Schiff base complex.  
  
Santanu Mandal, Rajat Saha, Bibakananda Mahanti, Michel Fleck, Debasis Bandyopadhyay.  
Inorganica Chimica Acta 387 (2012) 1–7, Elsevier.
6. Synthesis, crystal structure and antibacterial activity of a group of mononuclear manganese (II) Schiff base complexes  
Santanu Mandal, Tapan Kumar Karmakar, Anupam Ghosh, Michel Fleck, Debasis Bandyopadhyay. Polyhedron 30 (2011) 790 – 795, Elsevier.

7. Synthesis, crystal structure and magnetic characterization of a series of four phenoxo-bridged binuclear manganese(III) Schiff base complexes  
Santanu Mandal, Ashok Kumar Rout, Michel Fleck, Guillaume Pilet, Joan Ribas, Debasis Bandyopadhyay. *Inorganica Chimica Acta* 363 (2010) 2250–2258, Elsevier.
8. Synthesis, crystal structure and magnetic characterisation of a new phenoxo-bridged binuclear manganese (III) Schiff base complex exhibiting single-molecule-magnet behaviour  
Santanu Mandal , Georgina Rosair, Joan Ribas, Debasis Bandyopadhyay,  
*Inorganica Chimica Acta* 362 (2009) 2200–2204, Elsevier.
9. Synthesis, structure and antibacterial activity of manganese (III) complexes of a Schiff base derived from furfurylamine  
Santanu Mandal, Ashok Kumar Rout, Anupam Ghosh, Guillaume Pilet, Debasis Bandyopadhyay.  
*Polyhedron* 28 (2009) 3858–3862, Elsevier.
10. Synthesis, crystal structure and characterization of two new copper(II) complexes of Schiff bases derived from furfurylamine  
Santanu Mandal, Ashok Kumar Rout, Guillaume Pilet, Debasis Bandyopadhyay.  
*Transition Metal Chemistry* (2009) 34, 719-724, Springer.

### National:

1. Potential Antimicrobial Properties of Two New Synthetic Metal Complexes Containing a Tetradentate Schiff Base. Indranil Karmakar, Santanu Mandal, Anindita Mitra; *International Journal of Advanced Research* 3(8) (2015) 1230.
2. Evaluation of antimicrobial and insect repellent properties of two novel Zinc (II), and Nickel(II) complexes containing a tetradentate Schiff Base Indranil Karmakar, Santanu Mandal, Anindita Mitra; *J Integr Sci Technol*, 2015, 3(2), 60-67.

### BOOKS / BOOK CHAPTERS / MONOGRAPHS

Nil

### POPULAR ARTICLES

Nil

PAPER PRESENTATION/ PARTICIPATION: CONFERENCES/SEMINARS /SYMPOSIA /WORKSHOPS

RESEARCH PROJECTS:

- Name of the Research Project: Synthesis, Characterization and evaluation of the biological activity of Schiff base metal complexes
- Funded by: UGC - Major Research Project
- Amount sanctioned:10,20,300/-
- Memo No. and Date: Sanction no. (F. No. 41-79/2012) (SR) dated 13.07.2012
- Date of Completion:31.12.2015

RESEARCH GUIDANCE:

1. Name of the candidate: Mr. Uttam Mandal

Registration No: BKU/Ph.D./PHYS-04/2018-19/7-20

Date of Registration: 24.02.2020

Area of Research: Title: Synthesis and Characterization of Schiff Base Complexes of Some First Row Transition Metals.

Awarded/Ongoing: Ongoing

2. Name of the candidate: Mr. Dipankar Bhunia

Registration No: BKU/Ph.D/CHEM-01/2018-19/7-12

Date of Registration: 15.03.2019

Area of Research: Synthesis and Characterization of Schiff Base Transition metal complexes.

Awarded/Ongoing: Ongoing

AWARD/RECOGNITION/MEMBER OF BOARD OF STUDIES/ACADEMIC ACTIVITIES

COMMUNITY WORK/SOCIAL ACTIVITY

ANY OTHER

Acted as

- Convener,
- Moderator,
- Examiner,
- Paper Setter,
- Head of the Department of Chemistry, Bankura Christian College
- Barsur, Bankura Christian College