


Personal Profile

Name	DR. MANAS LAYEK	
Designation	ASSOCIATE PROFESSOR	
Date of birth	12.02.1975	
Educational qualification	M.TECH. PHD	
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Past services		
Areas of teaching	PHYSICAL CHEMISTRY	
Vidwan Portal ID		
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FACULTY DEVELOPMENT PROGRAMME

Sl. No	Courses	Sponsoring Agency	Institutions	Date
1.	Refresher Course	U.G.C.	A.S.C. C.U.	Dec.20,05 to Jan. 09,2006
2.	Orientation Course	U.G.C.	A.S.C. J.U.	March 05 to March 31,2007
3.	Refresher Course	UGC	A.S.C. C.U.	Nov.22,2010 to Dec 11,2010

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) Santanu Mandal, Manas Layek, Rajat Saha, Corrado

Rizzoli, Debasis Bandyopadhyay Transition Metal Chemistry (2020)
<https://doi.org/10.1007/s11243-020-00416-6>

2. Synthesis, crystal structure and antibacterial activity of azido complexes of cobalt(III) containing heteroaromatic Schiff bases Debasis Bandyopadhyay, Manas Layek, Michel Fleck, Rajat Saha, Corrado Rizzoli *Inorganica Chimica Acta* 461 (2017) 174

3. Synthetic aspects, crystal structures and antibacterial activities of manganese(III) and cobalt(III) complexes containing a tetradentate Schiff base Michel Fleck, Manas Layek, Rajat Saha, Debasis Bandyopadhyay *Transition Metal Chemistry* 38 (2013) 715

4. Synthesis, crystal structure and magnetic properties of nickel(II) and cobalt(III) complexes of a pentadentate Schiff base Manas Layek, Mahendra Ghosh, Saugata Sain, Michel Fleck, Packianathan Thomas Muthiah, Samson Jegan Jennifer, Joan Ribas, Debasis Bandyopadhyay *Journal of Molecular Structure* 1036 (2013) 422

5. Synthesis and crystal structure of a group of phenoxo-bridged heterodinuclear [NiIIIHgII] Schiff base complexes II Debasis Karmakar, Michel Fleck, Rajat Saha, Manas Layek, Sanjay Kumar, Debasis Bandyopadhyay *Polyhedron* 49 (2013) 93

6. Synthesis, crystal structure and antibacterial activity of a Mn(III)-Co(III) cocrystallized Schiff base complex Manas Layek, Mahendra Ghosh, Rajat Saha, Debasis Bandyopadhyay *Journal of Chemical and Pharmaceutical Research* 8 (2016) 618

7. Synthesis, crystal structure, and antibacterial activity of two new mononuclear nickel(II) complexes of a NNS Schiff base Manas Layek, Mahendra Ghosh, Michel Fleck, Rajat Saha, Debasis Bandyopadhyay *Journal of Coordination Chemistry* 67 (2014) 3371

8. Synthesis, crystal structure and antibacterial activities of mixed ligand copper(II) and cobalt(II) complexes of a NNS Schiff base Mahendra Ghosh, Manas Layek, , Michel Fleck, Rajat Saha, Debasis Bandyopadhyay *Polyhedron* 85 (2015) 312

Date	Names of the Seminars/Conferences/ Symposia	State/ National/International	Attended/Presented papers/ Resource Person	Title of the paper, if presented
September 1-2, 2016	Chemistry on Its Way: Impacts on the Environment	UGC Sponsored National Seminar	Presented papers	Some new Schiff base complexes of transition metals: Synthesis, crystalline structure and characterization
September 23-24, 2016	Environmental Education – A Need of the Day	UGC Sponsored National	Presented papers	Schiff base complexes of a few transition metals

		Seminar		
February 27, 2017	Indian Chemical Industries: Retrospect and Prospect	UGC Sponsored National Seminar	Presented papers	Synthesis and characterization of Schiff base complexes of Cu (II), Ni (II), Hg (II) and Mn(II)

BOOKS / BOOK CHAPTERS / MONOGRAPHS

POPULAR ARTICLES

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

RESEARCH PROJECTS

- Name of the Research Project: "Synthesis of metal oxide nano particles and their film by sol-gel method and investigation of their optical and electrical properties"
- Funded by: UGC
- Amount sanctioned: ONE LAKH ONLY
- Memo No. and Date: F.PSW-090/06-07 dated 19.02.2017
- Date of Completion: 30.03.2009

RESEARCH GUIDANCE

- Name of the candidate:
- Registration No:
- Date of Registration: dd/mm/yy
- Area of Research: Title
- Awarded/Ongoing:

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

COMMUNITY WORK/SOCIAL ACTIVITY

ANY OTHER