

1. Details of the Teacher/ Academic :

Name & Date of Birth :	KAMALIKA BANERJEE, 28 th JULY, 1969
Date of Joining in IGNOU:	29.3.2007
Current Designation :	PROFESSOR
Pay Scale as on date :	14,144200-182200
Qualifications :	Ph.D, M.Sc., PGDDE, B.Ed.

2. Honour/Award/Fellowship/membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic:

Name of the recipient,	Honour /Award/ Fellowship name	Agency name /Name of statutory body/ institution/ Apex body	Period
	Member	IACS, Kolkata	For life
	Member	Indian Association of Chemistry Teachers	For life
	Member	International Association of Computer Science & Information Technology.	For life

3. Books/Book Chapter:

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN N

S. No.	Name of Author/ Editor 1, & Co- author (s) / Co-editor (s) (if any)	Title of chapter/book	Place of publication	Publisher	Year	Total Pages	ISBN No.
1	Ramil K. Bhardwaj, Vishal Bharti, Jitender Gaur, Abhishek Sharma, Annu Sonania, Dibyajyoti Mohanty, Shilpa Jain, Gauri D. Sharma, Neeraj Chaudhary, Suresh Chand, Kamalika Banerjee	In-situ Growth of CdS Nanorods in PTB7 by Solvothermal Process for Hybrid Organic Inorganic Solar Cell applications.	Switzerland	Springer International Publishing	2014		978-3-319-03002-9
2	Banerjee K., (eds): Li K., Yuen K., Wong B.	How to Incorporate Open Educational Resources (OER) into the Infrastructure and Pedagogy for Promoting Ubiquitous Learning. (Innovations in Open and Flexible Education. Education Innovation Series)	Switzerland	Springer, Singapore	2018		Online ISBN978-981-10-7995-5 Print ISBN978-981-10-7994-8 Springer, Singapore

4. Research Articles/Publications:
i) Papers in Refereed/Peer reviewed Journals :

S. No.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
1.	T. M. Aminabhavi & K. Banerjee	Density, Viscosity, Refractive Index and Speed of Sound In Binary Mixtures of 2-Chloroethanol with Alkanols (C ₁ – C ₆) at 298.15, 303.15 and 308.15K.	<i>J. Chem. Eng. Data</i>	43	509 – 513	1998	
2.	T. M. Aminabhavi & K. Banerjee	Density, Viscosity, Refractive Index and Speed of Sound In Binary Mixtures of Acrylonitrile with Methyl Acetate, Ethyl Acetate, n-Propyl Acetate, n-Butyl Acetate and 3-Methylbutyle-2-acetate in the temperature interval (298.15 - 308.15) K”.	<i>J. Chem. Eng. Data</i>	43	514-518	1998	
3.	T. M. Aminabhavi & K. Banerjee	Density, Viscosity, Refractive Index and Speed of Sound In Binary Mixtures of Methyl Acetate + Ethylene Glycol, or + Polyethylene Glycol in the temperature interval (298.15 - 308.15) K.	<i>J. Chem. Eng. Data</i>	43	852 – 855	1998	
4.	T. M. Aminabhavi & K. Banerjee	Density, Viscosity, Refractive Index and Speed of Sound In Binary Mixtures of Dimethyl Carbonate with Methanol, Chloroform, Carbon Tetrachloride, Cyclohexane and 1,2-Dichloromethane in the temperature interval (298.15 - 308.15) K.	<i>J. Chem. Eng. Data</i>	43	852 – 855	1998	
5.	T. M. Aminabhavi & K. Banerjee	Density, Viscosity, Refractive Index and Speed of Sound In Binary Mixtures of 1-Chloronaphthalene with Benzene, Methyl benzene, 1,4-Dimethyl benzene, 1,3,5-Trimethyl benzene and Methoxybenzene in the temperature interval (298.15 - 308.15) K.	<i>J. Chem. Eng. Data</i>	43		1999	
6.	T. M. Aminabhavi & K. Banerjee	Thermodynamic Interactions In Binary Mixtures of 1-Chloronaphthalene and n-Alkanes.	<i>Canadian J. Chemistry.</i>				
7.	T. M. Aminabhavi, V. B. Patil, K. Banerjee & R. H. Balundgi	Thermodynamic Interactions In Binary Mixtures of Styrene with n-Alkanes at 298.15K	<i>Bull. Chem. Soc. Japan</i>	72(6)	1187 - 1196.	1999	
8.	T. M. Aminabhavi, V. B. Patil & K. Banerjee	Thermodynamic Interactions In Binary Mixtures of Ethenylbenzene (styrene) with Methanol, Ethanol, Butan-1-ol, Pentan-1-ol and Hexan-1-ol in the temperature range (298.15 – 308.15) K.	<i>J. Chem. Eng. Data</i>	44	1291	1999	
9.	T. M. Aminabhavi, K. Banerjee &	Thermodynamic Interactions In Binary Mixtures of 1-Chloronaphthalene and Monocyclic	<i>Indian J. Chem</i>	38A	768 - 777	1999	

	R. H. Balundgi	Aromatics".					
10.	Samik Nag, Kamalika Banerjee and Dipankar Datta	Estimation of the van der Waals radii of the d-block elements using the concept of bond valence.	<i>New J.Chem.</i>	31	832-834	2007	
11.	Kamalika Banerjee, Senjuti De, Dipankar Datta	X-H ...Y (X, Y =N,O) Hydrogen Bonds : A New Bond Valence Sum Analysis	<i>J. Chem. Crystallogr</i>	37	675-67	2007	
12.	R.K. Bhardwaj , H.S Kushwaha , J. Gaur , T. Upreti , V. Bharti , V. Gupta, N. Chaudhary , G.D. Sharma , K. Banerjee , S. Chand.	A green approach for direct growth of CdS nanoparticles network in poly(3-hexylthiophene-2,5-diyl) polymer film for hybrid photovoltaic.	Materials Letters	89	195-197	2012	
13.	Ramil K Bhardwaj, Vishal Bharti, Abhishek Sharma, Dibyajyoti Mohanty, Vikas Agrawal, Nakul Vats, Gauri D Sharma, Neeraj Chaudhari, Shilpa Jain, Jitender Gaur, Kamalika Banerjee and Suresh Chand.	Green approach for in-situ growth of CdS nanorods in low band gap polymer network for hybrid solar cell applications.	Advances in Nanoparticles	3	106-113	2014	
14.	Pramod Kumar Singh, Kamalika Banerjee and Sangeeta Singla	Synthesis and Spectral Studies on Transition Metal Complexes of Some Aroyl Hydrazone Ligands	International Journal of Basic Sciences and Applied Computing (IJBSAC)	2	5-7	2014	2394- 367X (online)
15.	Kamalika Banerjee, Pramod Kumar Singh, and Sangeeta Singla	Spectral studies on Transition Metal Complexes with novel tridentate aroylhydrazones.	International Journal of Scientific and Research Publications	5(2)	5-7	2015	2250- 3153 (online)
16.	Pramod Kumar Singh, Kamalika Banerjee and Sangeeta Singla,	Synthesis and spectral characterization of Cu(II) complexes of Tridentate ONO donor hydrazones.	International Journal of Engineering Technology, Management and Applied Sciences	3(7)	110-116	2015	2349- 4476
17.	Pramod Kumar Singh, Kamalika Banerjee and Sangeeta Singla	Synthesis, Spectroscopic characterization and in vitro bacterial evaluation of Ni(II) complexes of new tridentate aroylhydrazone ligands.	International Journal of Advanced Engineering Research and Science	3(12)	119-124.	Dec 2016	2349- 6495(P) /2456- 1908(O)

			(IJAERS).				
18.	Pramod Kumar Singh, Kamalika Banerjee and Sangeeta Singla	Synthesis and Spectroscopic Properties of Co(II) Complexes derived from New Aroylhydrazone Ligands.	International Journal of Science and Research (IJSR)	6(2)	1911-1915.		(Online): 2319-7064
19.	Pramod Kumar Singh, Kamalika Banerjee and Sangeeta Singla	Synthesis and characterization of some Chromium(III) complexes of dibasic tridentate hydrazone schiff base ligands.	Int. Journal of Engineering Research and Application	7(3)	41-45.		
20.	P. Rana, S. Sharma, R. Sharma, K. Banerjee	Apple Pectin supported Superparamagnetic (γ -Fe ₂ O ₃) maghemite nanoparticles with antimicrobial potency.	<i>Materials Science for Energy Technologies</i>			2018	https://doi.org/10.1016/j.mset.2018.09.001

5) Policy Documents Reports: Nil

SNo.	Title	Institution/ Agency	Year

6) Book Review published : Nil

SNo.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No

7) Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops (Please do not mention if it is only participation without presentation)

SNo.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year
1.	Sumita, Vandana, Atul Kumar and Kamalika Banerjee	Corrosion Behavior of Mild Steel in Various Acid Solutions.	Department of Chemistry, Arya P.G. College, Panipat	International Conference on Recent Advances in Chemical Sciences	Panipat	February 24-26, 2013
2.	Kamalika Banerjee	Experience in designing the course for PG Chemistry\ students involving extensive technology.	IIT Kharagpur	5th IEEE International Conference on Technology for Education	Kharagpur, West Bengal	18 th to 20 th Dec. 2013.
3.	Kamalika Banerjee	How to incorporate Open Educational Resources (OER) into the infrastructure and pedagogy for promoting ubiquitous learning.	Open University of Hong Kong	ICOFE (International Conference on Open and Flexible Education)	Hong Kong	2015
4.	Kamalika Banerjee	Looking Back at a Science Teachers' Training Program at IGNOU.	Pixel International conference	"New Perspectives in Science Education"	Florence, Italy.	March 2016.
5.	Kamalika	Capacity building through	STRIDE,	International Seminar	New Delhi	9 th

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	Banerjee	blended approach – a case for the science teachers taken up by RCSE at IGNOU.	IGNOU	On Skill Development through ODeL: <i>Innovations, Entrepreneurship, Employment for Inclusive and Sustainable Livelihoods</i>		March, 2017
6.	Kamalika Banerjee	Quality assurance Model through evaluation of potential OERs, a case study for the Inorganic chemistry courses for UGC-CBCS.	STRIDE, IGNOU	International Seminar On Skill Development through ODeL: <i>Innovations, Entrepreneurship, Employment for Inclusive and Sustainable Livelihoods</i>	New Delhi	10 th March, 2017
7.	Kamalika Banerjee	An alternative to the UGC-Orientation and Refresher courses for the Human Resource Development of the science teachers in Colleges/Universities.	UGC-Human Resource Development Centre, Jadavpur University, Kolkata.	National Symposium on Quality Assurance in Higher Education	Kolkata	30 th March, 2017
8.	Kamalika Banerjee	A review on Open Educational Resources (OER) in India and the world.	RSD, IGNOU (at JIM, Noida)	National Seminar on ICT support for Inclusive Digital Learning	JIM, Sector-62, Noida, UP	21 st – 22 nd April, 2017,
9.	Kamalika Banerjee	Access across barriers to Open, Distance and Online learning through OER policies.	AAOU	31 st Asian Association of Open Universities (AAOU) Conference	Yogyakarta, Indonesia.	27 th -29 th September, 2017
10.	Kamalika Banerjee	Talk on "The Sweet Side of Chemistry—Candy".	School of Sciences, IGNOU	Celebrated the National Chemistry Week (an initiative of American Chemical Society)	New Delhi	27 th October 2014
11.	Kamalika Banerjee	Presented a working paper "Empowering Educators to Innovate - an innovative policy of the RCSE at IGNOU".	STRIDE, IGNOU	National Training Programme on "Policies, Innovations and Governance in open Distance Learning"	New Delhi	18-19 th Feb 2016
12.	Kamalika Banerjee and Purnendu K Banerjee,	An attempt to analyse the contribution of women in science and technology as innovators in India.,	CSSP, JNU, New Delhi.	National Conference on <i>Role and Challenges of Women's Participation in Environment Sustainability and Innovation Policy</i>	New Delhi	22-23 March 2018
13.	Kamalika Banerjee	Searching for Indian Heritage in Chemistry.	Hislop College, Nagpur.	UGC sponsored One day National Conference on Indian Heritage in Chemistry (IHC 2018),	Nagpur	27 th March, 2018

8) Study Tour Organised/ Participated/ Attachment Organized/Internship: Nil

SNo.	Details of the tour	Name of coordinating body	Duration

9) Consultancy assignment (if any): Nil

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SNo.	Organization/ agency	Cost, title of consultancy	Duration

10) Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing):

SNo.	Agency	Amount	Duration with dates	Status i.e. ongoing/ completed
1.	Distance Education Council	One lakh (Indian rupees)	2008-2010	Completed

11) Details of PhD and MPhil Scholars (including those awarded degree):

SNo.	Name and enrolment no:	Year of registration	Year of completion/ award
1.	Ramil Kumar Bhardwaj, 112247348	2011	201 awarded
2.	Sangeeta Singla, 118701670	2012	2018 awarded
3.	Poonam Rana, 127729093	2012	Submitted in November 2018
4.	Suraj Gupta, 173102562	2017	
5.	Raju Mairipelly, 179342595	2017	
6.	Narbir Singh, 188500507	2018	

12) Details of Programmes/ Courses coordinated/ written/ edited/ translated:

SNo.	Programme	Course	Unit (print)/ Audio/ Video/ eSLM	Coordinated/Written/ Edited (content/ language/ format)/ Translated	Period
1.	A. M.Sc. Chem. (Distance mode) – 1 st Year B. M.Sc. Chem. (Distance mode)–2 nd Year (Inorganic Specialisation)			Coordinated (Program Expert Committee) Structure & syllabus.	2013-14, 2014-15, 2015-16
2.	M.Sc. Chem.(On Campus) , 2 nd Year (Inorganic Specialisation)			Coordinated	2013-14, 2014-15
3.		FST revision		Expert Committee- Structure & syllabus	2013-14, 2014-15
4.		B.Sc. Revision	Unit 12: Solvents (Course: Inorganic Chemistry I) Unit 4:	Coordinated B.Sc. revision courses(jointly with other Chemistry faculty): Inorganic Chemistry – II	2013-14, 2014-15

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			Liquids (Course: Physical Chemistry Unit 5 Solid State (Course: Physical Chemistry I	(Phase zero form) Inorganic Chemistry – III Essentials of Chemistry Basic Chemistry Lab	
5.		Ph.D. (jointly with other Chemistry faculty)		Coordinated	2013- 14, 2014- 15 2015- 16
6.		CBCS – development from July 2015, course meetings	Unit 8 Covalent Bond II (1 st Semester course)- Chemical Equilibrium I	written and translated Written and vetted	2016- 17 2017- 18
7.		PGDESD (MED004)			2015- 16, 2016- 17, 2017- 18

- Courses/ Units translated and period
- Audio programmes (title, Course, period)
- Video programmes (title and Course, period) – Made 4 video programmes in this period with EMPC.

13) Training programmes designed and conducted, duration and dates

SNo.	Programme	Dates	Place	Number of Participants
1.	Orientation of Counsellors of Bhopal region (2 days)- as resource person	August 13 and 14, 2014	Bhopal	13
2.	Orientation of Counsellors of Eastern region at Patna and Northern region at Dwarka (3 days) – as resource person	9 th and 10 th September 2016 - Patna, October- Dwarka	Patna and Dwarka	Around 15 –Patna 30- Dwarka
3.	Two-Week First National	28/08/2018	University of Kalyani	Around 20

(Duly authenticated by the Director/ Head of School/ Division/ Unit/Centre / Cell)

	Workshop On Use of ICT in Teaching Learning Processes UICTTLP-2018- as resource person		Nadia, West Bengal- 741235	
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14) Details of Counselling sessions conducted:

SNo.	Programme	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling Teleconferencing Web conferencing Any Other)
1.	B.Sc.	CHE02, AEC01	New Delhi	3 per year (2013-14, 14-15, 15-16) 1 in 2017-18	1 hr	Teleconferencing
2.	B.Sc.	CHE02, AEC01	New Delhi	2 per year (2013-14, 14-15, 15-16), 2017-18	1 hr	Radio counselling

15) Details of Patents granted (if any):
16) Contribution to IGNOU's corporate life:

SNo.	Chairperson/ Committee	Member of	Name of the Committee	Date/ period

17) Administrative position/s held in the University (even as in charge)

SNo.	Designation	Period
1.	Discipline Group Coordinator	November 2017 – October 2018

18) Any other contribution/information
Signature of Teacher /Academic
Signature of Director/ Head