

INFORMATION SHEET

FACULTY PROFILE (to be provided by the individual)

NAME: **Dr. KRISHNANKA SHEKHAR GAYEN**

DEPARTMENT: **CHEMISTRY**

CURRENT DESIGNATION: **ASSISTANT PROFESSOR**

EMAIL ID: **gayenks@gmail.com**

• PROFESSIONAL QUALIFICATIONS

a. Academic Qualifications (in reverse chronological order)

Degree	Subject	College/University	Year
Ph.D.	SYNTHETIC ORGANIC CHEMISTRY	UNIVERSITY OF CALCUTTA	2014
M.Phil.	----	----	----
M.Sc.	ORGANIC CHEMISTRY	UNIVERSITY OF CALCUTTA	2009
B.Sc.	CHEMISTRY	PRESIDENCY COLLEGE, CU	2007

b. Ph.D. Details

Title of Thesis	University	Date of Completion
Studies on metal, metal nanoparticles and organic lewis acid mediated activation, transformation and cyclization processes: Synthesis of valuable heterocyclic compounds	UNIVERSITY OF CALCUTTA	03.01.2014 (Date of award)

c. Field of Specialization under the Subject/Discipline: **ORGANIC CHEMISTRY**

d. Total Teaching Experience: **7 YEARS 2 MONTHS**

e. Teaching at Raja Peary Mohan College since: **16.03.2015**

f. Membership of Learned Bodies: **INDIAN CHEMICAL SOCIETY**

g. Other Professional Qualifications (if any):

• RESEARCH PROFILE/ACTIVITIES:

a. Journal Publication

Title	Name of the Journal along with ISSN Number	Year of Publication	DOI /URL	Your authorial position	Clarivate IF
The Impact of Microwave Irradiation Reaction in Medicinal Chemistry: (A	Oriental Journal of Chemistry ISSN: 2231-5039	2021	http://dx.doi.org/10.13005/ojc/3701	1st	0.68

Review)			01		
Recent Advances in Tris-Primary Amine based Organic Imine Cages and Related Amine Macrocycles	European Journal of Organic Chemistry ISSN: 1434-193X	2021	https://doi.org/10.1002/ejoc.202001194	1st	2.889
Diversity of Lawesson's Reagent: Recent Advances and Scope	Asian Journal of Organic Chemistry ISSN: 21935807	2020	https://doi.org/10.1002/ajoc.202000032	1st	2.788
Recent Advances in Iodosobenzene Mediated Construction of Heterocyclic Scaffolds: Transition-Metal-Free Approaches and Scope	European Journal of Organic Chemistry ISSN: 1434-193X	2018	https://doi.org/10.1002/ejoc.201701306	1st	2.889
AuCl ₃ catalyzed [3+2+1] cycloaddition: First use of Aldehyde as a carbon monoxide-like one carbon synthon for triple C-C coupling	RSC Advance ISSN 2046-2069	2014	https://doi.org/10.1039/C3RA47093H	1st	3.36
ArCH(OMe) ₂ -a Pt-catalyst originator for diverse annulation catalysis	Scientific Reports	2013	https://doi.org/10.1038/srep02987	3rd	4.379
CeCl ₃ ·7H ₂ O Catalyzed C-C and C-N Bond-Forming Cascade Cyclization with Subsequent Side-Chain Functionalization and Rearrangement: A	Journal of Organic Chemistry ISSN: 0022-3263	2012	https://doi.org/10.1021/jo301796r	2nd	4.354

Domino Approach to Pentasubstituted Pyrrole Analogues					
Efficient catalytic cyclizations of three and two imine assembly: Direct access to tetrahydroimidazo[1,5-c]imidazole-7-one and imidazole	Chemical Communications ISSN: 1364-548X	2012	https://doi.org/10.1039/C2CC32760K	3rd	6.222
Cu(0) nanoparticle catalyzed efficient reductive cleavage of isoxazoline and domino cyclization in water medium	Green Chemistry ISSN: 1463-9270	2012	https://doi.org/10.1039/C2GC35252D	1st	10.18
FeCl ₃ ·6H ₂ O-Catalyzed Intermolecular-Cascade Cyclization of Acetoacetanilide: Aldehyde-Tuned Synthesis to Valuable 2-Pyridone Analogues	Chemistry - A European Journal ISSN: 1521-3765	2012	https://doi.org/10.1002/chem.201103354	2nd	5.236
Addition of halide to π -bond directly from aqueous NaX solution: A general strategy for installation of two different functional groups	Chemical Communications ISSN: 1364-548X	2011	https://doi.org/10.1039/C1CC11685A	2nd	6.222

b. Book Publication

Title of the Book	(sole author or editor)	Name of the Publisher along with ISSN Number	Year of Publication	URL (if available)

c. **Chapter Publication**

Title of the Chapter	Name of the Book	Publisher with ISBN number	Year of Publication

d. **Research Projects**

Title of the Project	Principal Investigator	Funding Agency	Project Start and End date	Amount

e. **Other Publications (including articles, reviews etc.):**

f. **Awards and Patents (if applicable):** **KUNJABEHARI BASAK SILVER MEDAL**

g. **Research Guidance (if applicable):**

h. **Invited talks/Session chair/Resource person (reverse chronological order):**

Title of the paper or session	Title of the Seminar or Conference	Resource Person or Session Chair or Plenary Speaker	State-level or National or International	Organizer	Date and Year
Life and Works of Acharya P.C.Ray & A Few aspects of Modern Chemistry	Celebration of Acharya Prafulla Chandra Ray's 160th birthday	Resource Person	National	Kulti College	02/08/2021
Weak Forces: Backbone of Biological Systems	Webinar	Resource Person	State	Dr.Sudhir Chandra Sur Degree Engineering College	30/04/2020
Structure-Activity Relationship to understand Drug Design	Chemonation - 3	Resource Person	State	Surendranath College	27/02/2019

• **ADMINISTRATIVE RESPONSIBILITIES:**

Member of:

1. RUSA Monitoring Committee (2015 - till date)
2. Computer sub-committee (2017 - 2021)
3. Service Book sub-committee (2017 - 2021)
4. IQAC (2017 - 2021)

Convener:

1. Examinations & Results sub-committee (2017 - 2021)
2. Academic Sub-committee (2018 - 2021)
3. Service Book sub-committee (2021 - till date)
4. Routine sub-committee (2021 - till date)

Other Administrative Posts:

1. Teachers' Council Secretary (September, 2018 - December, 2021)
2. Assistant IQAC Coordinator (December, 2021 onwards)