



1. **Name (in BLOCK CAPITAL letter)** : DR. MAYA BISWAS (SINHA)
2. **Educational Qualification** : M.Sc., B.T., PhD.
3. **Designation** : Associate Professor
4. **Email id** : mbs.ku1202@gmail.com

### Short Profile

Dr. Maya Biswas (Sinha) obtained her B.Sc., M.Sc. and PhD degree from the University of Kalyani in 1982, 1984 and 1991 respectively having occupied 1<sup>st</sup> class 1<sup>st</sup> position in both B.Sc. (Chemistry Hons.) and M.Sc. (Chemistry) Examinations. Dr. Biswas (Sinha) completed her PhD on “Chemical and Biological Investigation of Natural Products” under the Fellowship from CSIR (NET), New Delhi.

Dr. Biswas (Sinha) joined Aghorekamini Prakash Chandra Mahavidyalaya, Hooghly, as Lecturer in Chemistry on 01.06.1998 and was promoted to the post of Reader on 01.06.2007. While serving in AKPC Mahavidyalaya she was reappointed as Reader in Chemistry in Krishnagar Women’s College on 17.07.2008. She was further promoted to Associate Professor on 01.06.2010 and has been continuing in the post of the college.

She is also a life member of Indian Chemical Society since 1991.

### 1. Research Activities:

- a. **Projects Completed** : Nil
- b. **Research Guidance** : Nil
- c. **Publications** (Till date) :

1. “Prazerol, a new 9,10- dihydrophenanthrene derivative isolated from *Dioscorea prazeri*” C.P.Dutta, Maya Biswas (Sinha), U.K.Som. Tetrahedron, 1988, **44**, 4871-76.
2. “Commercial isolation of Diosgenin from *Dioscorea prazeri*” C.P.Dutta, Maya Biswas (Sinha), U.K.Som. J. Ind. Chem. Soc., 1989, **66**, 289-90.
3. “Chemical constituents of the bark of *Terminalia myriocarpa*” Kakoli Majumder, Maya Biswas (Sinha), U.K.Som, Saktipada Das. J. Ind. Chem. Soc., 2005, **82**, 673-74.
4. “Prazerin - a new 1, 4- phenanthraquinone derivative isolated from *Dioscorea prazeri*” Maya Biswas (Sinha), C.P.Dutta, A. Banerjee. Proceedings of UGC sponsored National Seminar on Relating UG Level Chemistry To Current Advances, 2014, p50-52.

5. "3,5,7-trimethoxyphenanthrene-1,4-dione: a new biologically relevant natural phenanthrenequinone derivative from *Dioscrea prazeri* and studies on its single X-ray crystallographic behavior, molecular docking and physico-chemical properties" Gautam Brahmachari, Saktipada Das, Maya Biswas (Sinha), Abhishek Kumar, Ambrish Kumar Srivastava and Neeraj Misra, RSC Adv. 2016, **6**, 7317-7329.

### **Seminar/Conferences Participated :**

- i) National Seminar on Current Advances in Chemistry - IV, organized by Dept. of Chemistry, KU, on 26.02.2010.
- ii) National Seminar (International Year of Chemistry) on Chemistry for a better world, organized by Dept. of Chemistry, KU, on 23.03.2011.
- iii) UGC sponsored National Seminar on 'Interdisciplinary approach in College level Chemistry', organized by Dept. of Chemistry, V. C. College, Rahara, on 09.09.2011.
- iv) UGC sponsored National Seminar on 'Relating UG Level Chemistry to current advances', organized by Dept. of Chemistry, Krishnagar Women's College, on 28<sup>th</sup> and 29<sup>th</sup> September 2013.
- v) National Seminar on Current Trends in Chemistry – VII, organized by Dept. of Chemistry, KU, on 24.02.2016.
- vi) MHRD sponsored one day awareness workshop on NMEICT, organized by Muragachha Govt. College, on 03.09.2016.
- vii) UGC sponsored National Seminar on 'CCERG-2016'. 06-07.09.2016, organized by Dept. of Physics and Mathematics, Krishnagar Women's College.
- viii) College sponsored National Seminar on 'Emerging Geo- Environmental Issues and Challenges of 21<sup>st</sup> Century'. 04-05.11.2016, organized by Krishnagar Women's College.
- ix) Science Academies Lecture Workshop on "Basic Chemistry for Advanced Future", 19-20 Jan, 2018, organized by Dept. of Chemistry, Chakdaha College. Chakdah.
- x) Science Academies Lecture Workshop on Understanding the "Nuts and Bolts" in Chemistry, 18-19 Jan, 2019, organized by Dept. of Chemistry, Krishnagar Govt. College.
- xi) International Webinar on "Challenges in Higher Education in the Post –Pandemic Era" on 25-28 June, 2020 organized by Burdwan Raj College.
- xii) International Webinar on "Covid-19: the Disease, Prevention & Control" on 2<sup>nd</sup> July 2020 organized by IQAC Govt. General Degree College, Singur.
- xiii) International Webinar on "Recent Trends and Prospects of Chemistry" on 5<sup>th</sup> July 2020 organized by Department of Chemistry, K.C.College, Hetampur, Birbhum.
- xiv) National Webinar on "Interface of Chemistry & Biology: A Molecular Approach" on 14<sup>th</sup> July 2020 organized by Dept. of Chemistry, Krishnagar Govt. College.

- xv) A three-day International Webinar on “Role of Chemistry in Human Benefit: Three Tales” on 15<sup>th</sup> to 17 July, 2020 organized by Dept. of Chemistry AJCB College & Indian Chemical Society.
- xvi) One day International Webinar on “ Covid-19 Pandemic: Myths Science and Hope” on 26<sup>th</sup> July,2020 organised by Dept. of Botany, Krishnagar Govt. College.
- xvii) One day National on “Modern Era of Scientific Research and Medical Ethics to Combat Corona Pandemic” on 28<sup>th</sup> July, 2020 organised by Dept. of Zoology, Jangipur College.
- xviii) Four day National Webinar on Discipline Specific Elective Topics of UG (Hons.), CBCS System, on 4<sup>th</sup>- 7<sup>th</sup> August, 2020 organized by jointly Moulana Azad College & Asutosh College. Kolkata.
- xix) National Webinar on “ Strategies for Transition from Academia to Industry” on 8<sup>th</sup> Aug, 2020 organised by Dept. of Chemistry, SAJ College. Kolkata.
- xx) State level Webinar on “Optical Methods of Analysis” as per CBCS Syllabus on 15<sup>th</sup> Aug, 2020 organised by Dept. of Chemistry, R.B.C College, Naihati, 24-parganas.
- xxi) International Webinar on “Climate and Atmospheric Circulation Regimes” on 20.08.2020 organised by Dept. of Botani and Geography, SAJ College. Kolkata.
- xxi) Two day State level Webinar on “Skill Enhancement Courses of Chemistry on CBCS Syllabus” on 24-25<sup>th</sup> August, 2020 organised by Dept. of Chemistry, jointly Moulana Azad College & Asutosh College. Kolkata.
- xxii) “Professional Development Program” on 12th Sept, 2020 organised by Krishnagar Women’s college.
- xxiii) Two day National level Webinar on “Rethinking Philosophical understanding of the concept of Happiness: an Interdisciplinary and Multicultural Approach” on 15-16<sup>th</sup> January, 2022, organized by Dept. of Philosophy, Krishnagar Women’s College.
- xxiv) One day state level Seminar on “Problems In Documentation for Submission Of AQAR and SSR: A Review” on 12.05.2022, organized by Chakdaha College.

Discharged functions of **Head of the Department of Chemistry** of this college from March 2013 to February 2015 and again from March 2017 till date.

**Academic Responsibilities performed:**

Academic Session	University Duty
2012 - 13	1. Examined and scruitinized Part I(H) Theoretical and ENVs answer script. 2013 External Examiner for Part-1 (H) practical exam. 2014 Internal examiner for Part-2(G) practical exam.
	1. Examined and scrutinized PART-I (H) theoretical paper-II and ENVs answer script.

2013-14	<ol style="list-style-type: none"> <li>2. External Examiner for Part-1 (H) practical exam.</li> <li>3. Internal examiner for Part-1(H), Part-3(H) and Part-2(G) practical exam.</li> </ol>
2014-15	<ol style="list-style-type: none"> <li>1. Examined and scrutinized PART-I (H) theoretical paper-II and ENVS answer script.</li> <li>2. External Examiner for Part-1 (H) and Part-3 (H) practical exam.</li> <li>3. Internal examiner for Part-1(H), Part-3(H) and Part-2(G) practical exam.</li> </ol>
2015-16	<ol style="list-style-type: none"> <li>1. Examined and scrutinized PART-I (H) theoretical paper-II and ENVS answer script.</li> <li>2. External Examiner for Part-1 (H) practical exam.</li> <li>3. Internal examiner for Part-1(H), Part-3(H) and Part-2(G) practical exam.</li> </ol>
2016-17	<ol style="list-style-type: none"> <li>1. Examined and scrutinized PART-I (H) theoretical paper-II and ENVS answer script.</li> <li>2. External Examiner for Part-1 (H) practical exam.</li> <li>3. Internal examiner for Part-1(H), Part-3(H) and Part-2(G) practical exam.</li> </ol>
2017-18	<ol style="list-style-type: none"> <li>1. External Examiner for Part-1 (H) practical exam.</li> <li>2. Internal examiner for Part-1(H), Part 2(H), Part-3(H) and Part-2(G) practical exam.</li> <li>3. External Examiner for Part-3 (G), Th paper IV.</li> </ol>
2018-19	<ol style="list-style-type: none"> <li>1. Examined and scrutinized PART-I (H) theoretical paper-II</li> <li>2. External Examiner for Part-1 (H) practical exam.</li> <li>3. Internal examiner for Part-1(H), Part-Part2(H), 3(H) and Part-2(G) practical exam.</li> <li>4. External Examiner for Part-3 (H) Practical exam.</li> <li>5. Internal examiner for SEM II (H), Paper I &amp; II.</li> </ol>
2019-20	<ol style="list-style-type: none"> <li>1. Examined and scrutinized PART-I (H) theoretical paper-II</li> <li>2. External Examiner for Part-1 (H) practical exam.</li> <li>3. Internal examiner for Part-1(H), Part-Part2(H), 3(H) and Part-2(G) practical exam.</li> <li>4. Internal examiner for SEM I (H), Paper I &amp; II, SEM II (H), Paper III &amp; IV, SEM III(H) Th Paper VII.</li> </ol>
2020-21	<ol style="list-style-type: none"> <li>1. Internal examiner for Part-1(H), Part-Part 2(H), Part 3(H) and Part-2(G), Part 3(Gen) Theoretical exam.</li> <li>2. Internal examiner for Part-1(H), Part-</li> </ol>

	<p>Part2(H), 3(H) and Part-2(G), Part 3(Gen) Theoretical and Practical exam.</p> <p>3. Internal examiner for SEM II (H), Paper III &amp; IV for both Theoretical and Practical</p>
--	--

**Governance/ Leadership / Involvement in Academic and Administrative Committees:**

<b>Academic Session</b>	<b>Involvements</b>
2012-13	Served as a member of Governing body, Routine committee, purchase committee, Hostel committee, Games and Sports committee
2013-14	Served as a member of Governing body, Routine committee, purchase committee, Library committee, Hostel committee, Exam committee, Games and Sports committee
2014-15	Served as a member of Governing body, Routine committee, Exam committee, Library committee, service book committee, GPF committee
2015-16	Served as a member of Governing body up to Feb 17 <sup>th</sup> , 2016 Routine committee, Exam committee, IQAC committee. And NAAC steering committee.
2016-17	Served as Joint Convenor of Seminar committee a member of Academic committee, Budget committee, Building committee, Routine committee, Feedback Advisory committee, Library committee, Service book committee.
2017-18	Served as a member of Academic, Routine committee, Library committee, Service book committee, Grievance Redressal Cell.
2018-19	Served as a member of Routine committee, Library committee, service book committee.
2019-20	Served as a member of Purchase & Tender sub-committee, IQAC, Library sub-committee, Academic sub-committee, Routine Sum-committee, Finance committee and Convenor of Service book sub-committee.
2020-21	Served as a Convenor of Purchase & Tender sub-committee, Chairperson of ICC, member as Library sub-committee, Academic sub-committee, Admission sub-committee, Routine Sum-committee, Service book sub-committee.

2021-22	Served as a Coordinator of IQAC (w.e.f 04.04.2022), Jt.Convenor of Purchase & Tender sub-committee, Chairperson of ICC, Member of Library sub-committee, Academic sub-committee, Service book sub-committee.
---------	--

**Best Practices adopted in Teaching:**

01. The teaching methodologies have also improved with the introduction of ICT and PPT presentation. From time to time the services of experts in their respective areas on the subject are requisition to impart knowledge to the students on latest developments taking place in the country. Seminars are also organized to keep the student abreast of the time.
02. The students of the college are privileged to have the services of its committed and dedicated faculty even beyond classroom. Strict discipline and regularity are meticulously followed with motivation to work hard with sincerity and diligence. Every effort is given to develop their skill and talent in a planned and systematic way intended to enable to pursue future higher courses of study in the diverse specialized fields.