

**MAGADH MAHILA COLLEGE  
PATNA UNIVERSITY**

***FOR SELF APPRAISAL OF TEACHERS***



**General Information**

Name : Dr. Mridula Renu Sinha  
Address (Residential) : Road No. 10, East Patel Nagar,  
Patna 800023  
E-Mail Id : mrsinha240860@gmailcom  
PAN No. : AMHPS5260M  
Aadhar No. : 223137278756  
Mobile No. : 9431411783  
Phone No. :  
Date of Birth : 24/08/1960  
Designation : Senior Assistant Professor  
Department : Zoology  
  
Date of Joining : 27/06/2003  
Date of Conformation : 27/06/2003  
Date of Promotion : 27/06/2007  
Area of Specialization : Ichthyology

## Academic Qualifications

Exam Passed	Board / University	Subjects	Year	Division/ Grade Merit etc.
High School Secondary	Bihar School Examination Board, Patna	English, Hindi, Physics, Chemistry, Biology, Mathematics, Sanskrit	1976	2nd Division
Higher Secondary or Pre-degree <b>I. Sc.</b>	L. N. Mithila University, Darbhanga	English, Hindi, Physics, Chemistry, Botany, Zoology	1978	2nd Division
Bachelor's Degree (s) <b>B. Sc.</b>	Patna University, Patna	Chemistry, Botany, Zoology	1980	2nd Division
Master's Degree (s) <b>M. Sc.</b>	L. N. Mithila University, Darbhanga	Zoology	1991	1st Division
Research Degree (s) <b>Ph. D.</b>	V. K. S. University, Arrah	Ichthyology	1999	
<b>Other Diploma/ Certificate etc.</b>				
UGC Sponsored Orientation Course	U.G.C., New Delhi		2005	"B"
UGC Sponsored Refresher Course	U.G.C., New Delhi	Life Science	2009	"A"
UGC Sponsored Refresher Course	U.G.C., New Delhi	Life Science	2010	"A"

## Research Experience & Training

Research Stage	Title of work/Theses	University where the work was carried out
M. Phil or equivalent	Not Applicable	Not Applicable
Ph.D.	Toxicity of some organic pesticides and their mixture on the hematology and blood chemistry of fresh water murrel CHANNA PUNCTATUS	V. K. S. University, Arrah

Publications:					
Sl. No.	Name of topic	Name of journal	Volume	Page no.	Year of Publication
1	Quantitative estimation of Plasma Phospholipid in relation to age, sex, and starvation of Clarias batrachus.	ULTRA SCIENTIST OF PHYSICAL SCIENCES [International Journal of Physical Sciences] (Inter-Disciplinary Journal)	Vol.24 (1) B	106-112	January 2012
2	Quantitative estimation of Plasma Triglyceride of Clarias batrachus due to starvation stress.	Anusandhan	XII No. 22	11 – 18	June 2010
3	Change in the cholesterol level of Heteropneustes	Anusandhan	XI No. 20	167 – 172	Dec 2009

	fossilis due to effect of stress				
4	Change in Plasma cholesterol level of Clarias batrachus due to starvation stress	The Asian Journal of Animal Science	4 (2)	239 – 242	Dec 2009
5	Change in the glycogen level of Heteropneustes fossilis due to effect stress	Biospectra	4 (2)	357 – 360	September 2009
6	Change in the Glycogen level of Anabas due to effect of stress on the Metabolism of Fresh water Teleost	Patna University Journal	32	12 – 15	June 2009
7	Change in the Plasma protein level of Anabas due to effect of stress on the Metabolism of Fresh water Teleost	Journal of Hematology & Ecotoxicology	4 No. 1	78 – 82	June 2009
8	Change in the Lipid level of Anabas due to effect of stress	Journal of Haematology & Ecotoxicology	4 No. 2	36 – 41	2009
9	Effect of stress on Protein Metabolism in Heteropneustes fossils	Journal of Haematology & Ecotoxicology	4 No. 2	62 – 66	2009

**Research Guidance (give names of students guided successfully)**

Name of the students	Title of work/Theses	University where the work was carried out
Sri Anil Kumar	Lipid Profile of a fresh water teleost Clarias Batrachus (L) under certain physiological stress	Patna University, Patna Registered date July 2005 Awarded date – 24.05.2010
Smt. Sweety	Effect of Stress on the Metabolism of some Fresh Water Teleost belonging to different niche	Patna University, Patna Registered date July 2006 Awarded date – 25.06.2009

**Senior Supervisor of CPE (College with potential of Excellence) Project.**

Title of the Project	Name of the funding Agency	year	Duration	Remarks										
<table border="1"> <tr> <td>“Mosquito, a problem which can be overcome by social awareness.”</td> <td rowspan="4">C P E [College with potential of Excellence]</td> <td>2013</td> <td rowspan="4">Three month</td> <td rowspan="4">Senior Supervisor</td> </tr> <tr> <td>“Migration of bird” (OPENBILL STORK).</td> <td>2014</td> </tr> <tr> <td>“Types of Soil”</td> <td>2016</td> </tr> <tr> <td>“Dental Fluorosis: A Problematic Condition.”</td> <td>2016</td> </tr> </table>	“Mosquito, a problem which can be overcome by social awareness.”	C P E [College with potential of Excellence]	2013	Three month	Senior Supervisor	“Migration of bird” (OPENBILL STORK).	2014	“Types of Soil”	2016	“Dental Fluorosis: A Problematic Condition.”	2016			
“Mosquito, a problem which can be overcome by social awareness.”	C P E [College with potential of Excellence]		2013			Three month	Senior Supervisor							
“Migration of bird” (OPENBILL STORK).			2014											
“Types of Soil”			2016											
“Dental Fluorosis: A Problematic Condition.”		2016												

<b>Training (Please specify)</b>				
In Service Training	One Week Course in Direct Trainer Skills	Bihar Institute of Public Administration & Rural Development, Patna		

**Seminars, Conferences, Symposia Workshops etc. attended**

Serial No.	Name of the Seminar/ Conference/ Symposium Workshop, etc.	Name of the Sponsoring Agency	Place and Date	Remarks
1	Workshop on Star College Scheme	Department of Biotechnology India	Patna Womens College January 25,	National Workshop
2	Environmental and Health	UNICEF, Bihar	Mahavir Cancer Institute&Research Centre, PATNA. January 16, 2017	National Symposium.
3	Chemical Pollution :Effect on Environment and Health	UGC Sponsored	Patna Womens College December 9-10,2016.	National Seminar.
4	“Environmental Pollution :Safety Measure&Management.” National Seminar.	UGC Sponsored	Magadh Mahila College. December 5-6,2015.	National Seminar.
5	“Role of Molecular Diagnostics in Cancer Treatment.”.National Symposium.	Department of Science&Technology, New Delhi Bihar Council of Science&Technology, Patna.	Mahavir Cancer Institute&Research Centre, PATNA. March 12, 2015.	National Seminar.
6	6 <sup>th</sup> Bihar Science Conference 2014 (An International conferences of Science&Technology)	B Brain Development Society & Magadh Mahila College.	Magadh Mahila College, P. U. Patna .December 23,24,25 2014	International Seminar.
7	“Technology Methodology with ICT& Case Based Learning.” workshop.	IBS	Magadh ManilaCollege, P.U.Patna. 8 <sup>th</sup> August 2014.	National Seminar.
8	Workshop on “Short Term Civil Defence Awareness Programme”	Civil Defence& Dezaste rManagement	Magadh Mahila College, P. U. Patna .January 27,28,29 2014	State level
9	One Day Workshop “Assessment&Accreditation of Collegeby NAAC”	TechnicalSupportby NAAC, Banglore.	MagadhMahila College, Patna 12, February 2012.	State label
10	National Symposium on “Green Chemistry :Key to Life”	Department of Chemistry	Magadh Mahila College, Patna 13,December,2011	National Seminar
11	National Symposium on “Nano-Technology: Present Perspective and Future Direction”	DST, New Delhi & ICMR	Mahavir Cancer Institute and Research Centre, Patna 9 <sup>th</sup> & 10 <sup>th</sup> April, 2011	National Seminar.
9	3 <sup>rd</sup> Bihar Science Conference	B Brains Development	Gaya College, Gaya	National

	2010 Subject Category-Biological Sciences	Society, Patna	under Magadh University, Bodh Gaya. 11 <sup>th</sup> -13 February 2010 11 <sup>th</sup> to 13 <sup>th</sup> February, 2010	Seminar.
10	National Symposium on “Climate Change and Sustainable Development”	DST, New Delhi	Magadh Mahila College, Patna 23 <sup>rd</sup> & 24 <sup>th</sup> December, 2009	National Seminar.

### Teaching Experience

Courses Taught	Name of the University/ College / Institution	Duration
U.G. (B.Sc. Pass & B.Sc. Hons., Zoology)	Magadh Mahila College, Patna University, Patna	Since 27 <sup>th</sup> June 2003 till now.

**Total Teaching Experience:** fifteen years

**Under-graduate (Pass) :** fifteen years

**Under-graduate (Hons):** fifteen years

### Innovations/ Contributions in Teaching

**Design of Curriculum:** Contributed in dividing the B.Sc. syllabus in to Semesters as per the direction of the College / University.

**Teaching methods:** Took the students to Zoological Reservoirs for study of animal behavior in natural environment.

**Laboratory experiments:** Introduced the system of taking the Theory Classes just before the related Practical classes so that understanding of the subject became easy for the students.

**Evaluation methods:** Evaluated the answer sheets of theory Examinations and practical examinations of sent up tests and practical examinations conducted by the University.

**Preparation of resource material:** Distributed self-prepared study materials to Including books, reading materials, the students in the class and prepared the Laboratory manuals etc.

Question Papers for the sent up tests.

**Remedial Teaching/ Student:** Always remained available to students in Counseling (academic) the staff room to help clear the doubts of the students in academic matters. Students took full advantage of my availability.

### **Any Other:**

- I encouraged discussion amongst students on the topic being taught in the class to improve their understanding of the subject.

- For motivating the students Zoology Department of Magadh Mahila College I introduced an Annual Scholarship Scheme since 2015 for students of Magadh Mahila College who get highest marks in the annual Patna University B.Sc. Zoology Honours Part I & Part II Examinations respectively.

Name of the Scholarship is “Madhuri Prasad Memorial Scholarship”.

Total amount of Scholarship is Rs. 25000/- with Certificates out of which Rs. 10000/- is given to Part I topper and Rs. 15000/- to Part II topper.

#### ix) Extension Work/ Community Service

a) Please give a short account of your contribution to:

i) Community work such as values of National Integration, secularism, democracy, socialism humanism, peace, scientific temper, flood or drought relief, small family norms etc.:

Contributed from my salary to help India fight the Kargil War. Also contributed for relief during Kosi floods in 2008,2016 and drought in north Bihar in 2009.

#### Participation in Corporate Life:

College/ University/ Institution: I organized free “Diabetes Checkup Camp” for the students and teachers in the College in the year 2008.

I organized a Symposium on contemporary Science and Technology “Scientific Foresight 2007” on 22nd to 24th December 2007.

Worked as Routine In charge of Zoology classes in the college.

Co-curricular Activities:

I organized extra-curriculum activities for students: -

Date/year	Name of activity	Description
03/12/07	Exhibition	Peculiar Animal & parental Care.
12/01/08	Lecture Topic :- Cancer Stem Cell – The driving force behind Cancer	Speaker :-Dr. Fared Ahmed (Department of Medicine LMU Hospital Munich ,Germany
13/12/08	Lecture & Free blood check up Camp Topic:- Diabetes &Healthy Living	Dr.Subhash Kumar, Apollo Hospital Hyderabad
13/10/09	Opportunities in Biomedical Sciences	Dr. Bravest Kumar, Southwestern Medical Centre, Dallas,Texas, USA.
10/12/11	Poster& Slogan competition	On “Prevention of oral cancer”
09/09/13	Slogan Competition, protection of ozone layer: Why & how	
06/02/13	Awareness about Women Heath	Dr.Charu Modi, Federation of Obstetrics & Gynaecological Societies of India.
13/08/13	Personalized Treatment Approach in Cancer	Dr.Farid Ahmad, Centre of Excellence, King A.A University Jeddah, Saudi Arabia.
27-29/01/14	Short term awareness program Training	Civil Defence awareness Worksop , Gov’t of Bihar
09/02/14	Excursions trip	Dolphin Life Cycle, at Gandhi Ghats gangs

		river, patina.
04/03/2014	Excursion trip	Zoological Survey of India, Patina Office.
11/08/14	For promote Sports	Abhishek Bachman, wonder of “Pink Panther” Jaipur Team
10/11/14	Study trip of migratory Birds	Danapur cant, birds name “Open Bill Stocks” .
19/02/15	Workshop on “Basic life support & CPR”	Dr. Rajneesh Kumar, Instructor, American Heart Association.
05/02/16	Educational Trip	Sanjay Gandhi Zoological Park ,Patna.
08/09/16	Quiz Competition	Topic :- Wild Life Conservation
05/10/16	Disorders of Thyroid	Dr.Mitali Dandekar Lal, Paras Hospital, Patna.
28/08/17	Quiz Competition	Topic :- Environmental Protection
30/10/17	Essay Competition	Topic:- My Vision – Corruption Free India

I organized lecture on “Bird Flue” on 13/09/2006, lecture on “Charles Darwin (his life & work)” on 15/12/2005, lecture on “Smiling Thirty Twos” on 31/08/2005 by Dr. Rajeev Lal for the benefit of the students and teachers of the college.

I organized a Field Study Trip to Sanjay Gandhi Zoological Park, Patna for B. Sc. Part III students on 04/12/2003 and again on 08/12/2004.

Enrichment of Campus Life (Hostels, sports, games, cultural activities): I organized “Sawan Mahotsava” in the college on 11/08/2005.

I encourage students of Zoology deptt. to participate in sports, games, cultural activities etc. which resulted into enhanced participation of Zoology students in such activities. I continuously guided the student member of the Zoology deptt. in the Student’s Central Society of Magadh Mahila College towards this end.

Students Welfare and Discipline: I am always available to students to counsel them on their personal and family conflicts to help them in conflict management.

Membership/Participation in Bodies/ Committees on Education and National Development:

**Professional Organization of Teachers:** I regularly contribute in the Teacher Welfare Fund of Patna University Teacher’s Association (PUTA) as member.

**Membership of Professional Bodies, Societies etc.:**

I am Vice President of the Science & IT Society since 2005 and was Vice President also of Natyakala Parishad during 2005 to 2008. Editor ship of Journals:

I am member of Editorial Board of research Journal “ JIGYASA” for session 2017 –2018 .

**Any other information:**

I am always available to students to counsel them on their future career including further studies and job avenues open for them depending on their capacity, capability and resources available to them.