

## Faculty Details

**Name:** Dr. Meenakshi Bawari

**Designation:** Associate Professor

**Department:** Life Science & Bioinformatics

**Email:** meenakshibawari@yahoo.co.in

**Year of Joining:** March 2002

**Areas of Interest/Specialization:** Neuroscience, Neurotoxicology.

**Experience:** Teaching at PG level :19 years.



### Career Profile:

#### Education qualification:

##### Post-doctoral research:

1. ICMR Project : Sanction No. 45/39/98-BMS ; “Ischemia induced alteration in c-fos , hsp-70 and excitatory aminoacid neurotransmitters in gerbil brain under differential thyroidal status ” in Department of Molecular Endocrinology, Sanjay Gandhi Post-Graduate Institute of Medical Sciences, Lucknow.

2. DBT Project : “ Development of Immunodiagnostic products for the diagnosis and research on Endocrinology and metabolic disorders ” Department of Molecular Endocrinology, Sanjay Gandhi Post-Graduate Institute of Medical Sciences, Lucknow

3. CSIR Project : “Sensory and cognitive brain functions in copper and rubber factory workers : Correlation with industrial toxicants and lung functions ” Department of Physiology, University College of Medical Sciences & Guru Teg Bahadur Hospital , University of Delhi , Delhi.

**Doctoral Research :** “ Evaluation of free radical damage in the gerbil model of cerebral ischemia.” Department of Pharmacology , Central Drug Research Institute , Lucknow .

**Ph.D :** in Neurology , Sanjay Gandhi Post-Graduate Institute of Medical Sciences, Lucknow.

#### Honours/Awards (National ):

1. Merit List --2<sup>nd</sup> position merit certificate in M.Sc Bioscience Spl .Biochemistry under the Faculty of Life Science , Barkatullah Vishwavidyalaya , Bhopal.

2. Qualified Joint CSIR-UGC National Level Test for Lecturership.

3. JRF- Sanjay Gandhi Post-Graduate Institute of Medical Sciences, Lucknow.

4. Elected as the Member of the Executive Committee of **Indian Academy of Neurosciences** from **2021-2023**.

5. Life Member of Indian **Academy of Neurosciences**.

6. Life Member of Society **of Biological Chemists (India)**.

**National Collaboration/Consultancy:**

1. Sanjay Gandhi Post-Graduate Institute of Medical Sciences SGPGIMS, Lucknow.
2. Indian Institute of Toxicology Research IITR, Lucknow.
3. Central Drug Research Institute, CDRI, Lucknow
4. , University College of Medical Sciences & Guru Teg Bahadur Hospital , University of Delhi , Delhi.
5. ICAR Research complex for NEH Region, Mizoram Centre, Kolasib, Mizoram.

**Research group:**

S. No.	Name	PhD / M.Phil	Title of Thesis	Year	Status
1.	H. Ashalata Singha	PhD	Neurotoxicity of selected medicinal plants of Cachar district, Assam and their potential effect on calcium ion channels	---	Thesis Submitted
2.	Pankaj Phukan	PhD	Mercury induced neurotoxicity and the effects of selected medicinal plants from Northeast India in alleviating it.	---	Thesis Submitted
3.	Rojini Athokpam	PhD	Evaluation of hepatoprotective activity of some ethnomedicinal plants of Manipur , India.	2019	Awarded
4.	Paojatong Singson	PhD	Role of selected vitamins in mitigating neurotoxicity induced by medicinal plants used in Nagaland	2017	Awarded
5.	Maibam Rasila Devi	PhD	Neurotoxicological evaluation of some selected plants from Manipur, India and its association with	2014	Awarded

			N-Methyl-D-Aspartate (NMDA) receptor antagonist.		
6.	Chinmoy Choudhury	PhD	Neurotoxicological study of some selected plants of Southern Assam and its association with calcium channel blocker.	2014	Awarded
7.	Gautam Sarkar	PhD	Epidemiological study of Listeria in animals and environment.	2014	Awarded
8.	L. Shyamali Singha	PhD	Evaluation of hepatoprotective activity of some ethnomedicinal plants of Southern Assam	2013	Awarded
9.	Gobinda Banik	PhD	Anti Diabetes plants of Southern Assam with special reference to biological screening.	2010	Awarded
10	Paojatong Singson	M.Phil	Evaluation of neurotoxic effects of certain plant extract on fish.	2010	Awarded
11.	Aparna Talukdar	M.Phil	A comparative study of diabetic patients with or without neuropathy of Cachar, Karimganj and Hailakandi district of Barak Valley	2009	Awarded
12.	Papori Borah	M.Phil	Evaluation of brain neurotoxicity of two agrochemicals on fresh water fish Channa Punctatus.	2009	Awarded

## Best Peer Reviewed Publications (up to 5):

### List of Publications:

1. Neurobehavioral responses in swiss albino mice induced by an aqueous leaf extract from a medicinal plant named *Heliotropium incanum* Ruiz & Pav. Singha H Ashalata , Sengupta Mahuya, **Bawari Meenakshi**, . Bioinformation 2020 ; 16 (9): 679-687. ISSN: 0973-2063
2. . GC-MS Analysis of Bioactive Compounds and Safety Assessment of the Ethanol Extract of the Barks of *Holarrhena pubescens* Wall. ex.G.Don (Family Apocynaceae): Sub-Acute Toxicity Studies in Swiss Albino Mice. Namasudra Sanjit, Phukan Pankaj, **Bawari Meenakshi**. Pharmacognosy Journal;2021; 13(1): 162-171. ISSN:0975-3575
3. Promising Neuroprotective plants from North-East India. Phukan Pankaj, **Bawari Meenakshi**, Sengupta Mahuya. Int J Pharm Pharm Sci 2015; 7(3): 28-39. ISSN : 0975-1491
4. Metabolic responses in discrete regions of rat brain following acute administration of glutamate.**Bawari M** , Babu GN. Neurochem Research 2003. Sep; 28 ( 9 ) : 1345 –9. ISSN : 0364-3190. Impact factor – 3.038.
5. Locomotor and learning deficits in adult rats exposed to monosodium L-glutamate during early life. M Mohd Ali , **M. Bawari** , U K Misra , GN Babu. Neuroscience Letters .284 (2000) 57-60. ISSN : 0304-3940. Impact factor – 2.274 .

### Publications List:

- ❖ Neurobehavioral responses in swiss albino mice induced by an aqueous leaf extract from a medicinal plant named *Heliotropium incanum* Ruiz & Pav. Singha H Ashalata , Sengupta Mahuya, **Bawari Meenakshi**, Bioinformation 2020 ; 16 (9): 679-687 .ISSN: 0973-2063.
- ❖ Biochemical and ultrastructural alterations in the brain of mice induced by aqueous leaf extract of a medicinal plant , *Lantana camara* L. and its amelioration by nimodipine and flunarizine. Singha H Ashalata , Sengupta Mahuya, **Bawari Meenakshi** Journal of Applied Biology & Biotechnology. 2021 : ( Accepted ).ISSN : 2455-7005.
- ❖ GC-MS Analysis of Bioactive Compounds and Safety Assessment of the Ethanol Extract of the Barks of *Holarrhena pubescens* Wall. ex.G.Don (Family Apocynaceae): Sub-Acute Toxicity Studies in Swiss Albino Mice. Namasudra Sanjit, Phukan Pankaj, **Bawari Meenakshi**. Pharmacognosy Journal;2021; 13(1): 162-171. ISSN:0975-3575
- ❖ Evaluation of neurotoxicity of the ethanolic bark extract of *Holarrhena pubescens* Wall. ex G.Don in mice. Namasudra Sanjit, Phukan Pankaj, **Bawari Meenakshi**, International Journal of Pharm Res ,2020 ;12(4) ;36-48.ISSN : 0975- 2366.
- ❖ Neuroprotective effects of aqueous extract of *Hydrocotyle javanica* in ameliorating neurobehavioral alteration induced by mercury. Phukan Pankaj, Namasudra Sanjit, **Bawari Meenakshi**, Sengupta Mahuya ,Asian J Pharm Clin Res,2019; 12(1): 374-379. ISSN : 2455-3891.

- ❖ Studies on toxicological and neurobehavioral profile of methanol extract of *Mussaenda roxburghii* hook. f. leaves in mice, Namasudra Sanjit, Phukan Pankaj, **Bawari Meenakshi**., Asian J Pharm Clin Res , 2019; 12(5): 295-301. ISSN : 2455-3891.
- ❖ Mercury-induced neurobehavioral deficit and its ameliorating effects of aqueous extract of *Trapa bispinosa*. . Phukan Pankaj, Namasudra Sanjit, **Bawari Meenakshi**, Sengupta Mahuya. Asian J Pharm Clin Res, 2018; 11(9): 420-424. ISSN : 2455-3891.
- ❖ Hepatoprotective activity of aqueous extract of *Oxalis Debilis* Kunth against CCL4 induced liver damage . Athokpam Rojini , **Bawari Meenakshi**, Dutta Choudhury M, Asian J Pharm Clin Res.2017 ;10 (9),231-235, ISSN : 2455-3891.
- ❖ Hepatoprotective activity of aqueous extract of *Pyrus Pashia* Buch.-Ham.Ex.D. Don against CCL4 induced liver damage. Athokpam Rojini , **Bawari Meenakshi**, Dutta Choudhury M, Int J Pharm Sci & Res ;2017;8 (10);4195-4200; ISSN : 0975-8232.
- ❖ Promising Neuroprotective plants from North-East India. Phukan Pankaj, **Bawari Meenakshi**, Sengupta Mahuya. Int JPharm Pharm Sci 2015; 7(3): 28-39. ISSN : 0975-1491.
- ❖ A review on medicinal plants of Manipur with special reference to hepatoprotection , Athokpam Rojini , **Bawari Meenakshi**, Dutta Choudhury M , Int. J of Advances in Pharm Res.: 2014 ,5(3) ,182-191, ISSN : 2230-7583.
- ❖ Evaluation of behaviour and biochemical parameters in methanol root extract of *Plumbago zeylanica* l. in experimental mice . Singson Paojatong , **Bawari Meenakshi**, Int J of Rec Sci Res.2015,6 (6),4633-4637, ISSN : 0976- 3031.
- ❖ Neurotoxicological evaluation of *Plumbago Zeylanica* L root extact and ameliorative effect of vitamin E in experimental mice. Singson Paojatong , **Bawari Meenakshi**. Global J of Adv Research , 2016, 3 (1),1-11, ISSN: 2394-5788.
- ❖ Study on neurotoxicological effect of *Biden pilosa* L leaf extract on male albino mice. Singson Paojatong , **Bawari Meenakshi**. J of Global Biosciences.2015,4(9),3311-3318.ISSN:2320-1355.
- ❖ Evaluation of neurotoxicological activity of *Melia azedarach* L fruit extract in mice. Maibam Rasila Devi, **Bawari Meenakshi** , Paul Satya Bushan , Int. J of Advances in Pharm Res., 2013, 4(9) , 2283-2290, ISSN : 2230-7583.
- ❖ Neurotoxic effect of *Albizia myriophylla* Benth., a medicinal plant in male mice. Maibam Rasila Devi, **Bawari Meenakshi** , Paul Satya Bushan., Int J Pharm Pharm Sci 2013; 5(3): 243-248. ISSN : 0975-1491.
- ❖ An ethnobotanical survey of some useful plants of Manipur , India with reference to their toxicity. Maibam Rasila Devi, **Bawari Meenakshi** , Paul Satya Bushan, Intern. Journal of Current Research ,2013, 5(3) :574-577. ISSN :0975-833X .
- ❖ Characterization of the toxic effects induced by *Datura stramonium* L leaves on mice : a behavioural , biochemical and ultrastructural approach. Maibam Rasila Devi, **Bawari Meenakshi** , Paul Satya Bushan, Sharma GD, Asian Journal of Pharmaceutical and Clinical

Research,2012 , 5(3) : 143-146 , ISSN : 0974-2441.

- ❖ Neurotoxic and medicinal properties of *Datura stramonium* L.- Review., Maibam Rasila Devi, **Bawari Meenakshi** , Paul Satya Bushan, Sharma GD, Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2011 , 7(1) , 139-144., ISSN : 0975-2773 .
- ❖ Evaluation of the harmful effect of a medicinal plant extract on mice brain, Choudhury Chinmoy , **Bawari Meenakshi** , , Sharma GD, Indian Journal of Applied Research,2013, 3 (6), 38-39, ISSN : 2249-555X .
- ❖ Biochemical screening of the effect of a plant extract on albino mice physiology . Choudhury Chinmoy , **Bawari Meenakshi** , , Sharma GD, Int. J of Sci. Res.,2013, 2 (8) ,38-39 , ISSN : 2277-8179.
- ❖ Assessment of neurotoxic potential of a medicinal plant extract on mice. Choudhury Chinmoy , **Bawari Meenakshi** , , Sharma GD, The Ecoscan, 2011, Vol 1, 300-304 , ISSN: 0974-0376.
- ❖ Ethno-toxic plants of Cachar District in Southern Assam with special reference to their medicinal properties . Choudhury Chinmoy , Devi M Rasila, **Bawari Meenakshi** , , Sharma GD, Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2011.:7(1) . 89-95. ISSN : 0975-2773.
- ❖ An overview on *Neptunia oleraceae* Lour. L.Shyamali Singha ,**Meenakshi Bawari** , Manabendra Dutta Choudhury . Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2010 . Vol.: 6 ( 1 ) 155-158. ISSN : 0975-2773 .
- ❖ Some antipyretic ethnomedicinal plants of Manipuri community of Barak Valley, Assam , India. M Dutta Choudhury , **Meenakshi Bawari** L. Shyamali Singha. Ethnobotanical Leaflets 2010.14 : 21-28. ISSN : 1948-3570.
- ❖ Some hepatoprotective ethnomedicinal plants used by Manipuri community in Barak Valley , Assam ,India. L. Shyamali Singha , **Meenakshi Bawari** , Manabendra Dutta Choudhury. Pleione. 2009.3(2) 186-189. ISSN : 0973- 9467.
- ❖ Prevalence and molecular characterization of *Listeria monocytogenes* isolated from raw meat. G.Sarkar, **M Bawari**, A.Kumar and I Shakuntala. Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2011. Vol :8 No.1 , 37-41. ISSN : 0975-2773.
- ❖ Some anti-diabetic plants of southern Assam. G.Banik , **M.Bawari** ,M.Dutta Choudhury , S. Choudhury & G.D. Sharma. Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2010. Vol : 5 ( 1 ) 114-119. ISSN : 0975 - 2773

- ❖ Phytomedicines of Manipur with neuroprotective properties- Review.Sylvana Salam , **Meenakshi Bawari** , G D Sharma. Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2011. Vol :8 No.1 , 103-108. ISSN : 0975-2773
- ❖ Neurotoxicity of organophosphate pesticides : A review. Arif Uddin , **Meenakshi Bawari** , Chinmoy Choudhury , Sk Jasimuddin. Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2011. Vol :8 145-149. No.1 , 103-108. ISSN : 0975-2773.
- ❖ Glutamate as a selective neurotoxin – A Review . **Meenakshi Bawari**. Assam University Journal of Science & Technology. Biological and Environmental Sciences. 2010. Vol: 5 ( 1 ) 147-153. ISSN : 0975-2773 .
- ❖ Metabolic responses in discrete regions of rat brain following acute administration of glutamate. **Bawari M** , Babu GN. Neurochem Research 2003. Sep ; 28 ( 9 ) : 1345 –9. ISSN : 0364-3190. Impact factor – 3.038.
- ❖ Locomotor and learning deficits in adult rats exposed to monosodium L- glutamate during early life. M Mohd Ali , **M. Bawari** , U K Misra , GN Babu. Neuroscience Letters .284 (2000) 57-60. ISSN : 0304-3940. Impact factor – 2.274 .
- ❖ Blood glutamate levels in patients with motor neuron disease.G.N.Babu, **M.Bawari** et al . Clinica Chimica Acta 273 ( 1998) 195-200. ISSN : 0009- 8981 .Impact factor – 2.615 .
- ❖ Single microinjection of L-glutamate induces oxidative stress in discrete regions of rat brain . G. Nagesh Babu and **Meenakshi Bawari** . Biochemistry and Molecular Biology International Vol.43 , No.6, December 1997 , 1207 -1217. ISSN : 1039-9712 .
- ❖ Effect of neonatal monosodium glutamate on the activities of glutamate Dehydrogenase and aminotransferases in the circumventricular organs of rat brain . **Bawari M** et al. Amino acids , 8 ,1995 , 393-395 , ISSN : 0939- 4451 , Impact factor – 3.102.
- ❖ Effect of neonatal monosodium glutamate on lipid peroxidation in adult rat brain. **Bawari M** et al . Neuroreport ,6 : ( 1995 ) 650-652. ISSN : 0959- 4965. Impact factor – 2.163 .
- ❖ Lipid peroxidation potential and antioxidant status of circumventricular organs of rat brain following neonatal monosodium glutamate . Babu G N, **Bawari M** , Ali M.M ., Neurotoxicology , 15: ( 1994 ) 773 - 777. ISSN : 0161-813X . Impact factor – 3.105.
- ❖ Lactate dehydrogenase and glutamate dehydrogenase activities in the circumventricular organs of rat brain following neonatal monosodium glutamate .**Bawari M** et.al. Experientia -Cellular and Molecular Life Science., 49 : ( 1993 ) 1092- 1094. ISSN : 0014-4754 .

### **Chapters In Book**

- ❖ Antibacterial activity of *Datura stramonium* L. M Rasila , **M Bawari**,S B Paul & L S Singha. Researches in Medicinal and Aromatic plants. 978-93-81084-95-3, Swastik Publishers. 2012.

- ❖ *Nyctanthes arbor tristis* Linn. – A medicinal plant. L. Shyamali Singha , **Bawari**, Choudhury, Goswami. Researches in Medicinal and Aromatic plants. 978-93-81084-95-3, Swastik Publishers. 2012.

## **M. Sc. Projects Supervised in Special Paper MOLECULAR NEUROBIOLOGY**

**Year 2008 to 2019: 106 students.**

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year-2019: 06.**

<b>Name</b>	<b>Registration no.</b>	<b>Title of the project</b>
Imrana Khanam Laskar	01-150077487 of 2015-2016	A Study On Impact Of Inorganic Mercuric Chloride On Neurobehavioural Parameters In Swiss Albino Mice.
Zannat Fexdouse	03-140078158 of 2014-2016	Impact Of Inorganic Lead (Lead Acetate) On The Neurobehavioral Parameters In Swiss Albino Mice
Bishnupriya Changma	203800116255	A Neurobehavioral Study On Mercuric Chloride Induced Neurotoxicity In <i>Channa Punctatus</i> (Bloch)
Taniya Das	01-150077545 of 2015-2016	Impact Of Inorganic Aluminium (Aluminium Chloride) On The Neurobehavioral Parameters In Swiss Albino Mice
Pwisali Masahary	01-150077541 of 2015-2016	An Evaluation Of Lead Acetate Induced Neurotoxicity By Behavioural Paradigm In Freshwater Fish, <i>Channa Punctatus</i> (Bloch)
Hushara Begum Laskar	03-140049573 of 2014-2015	Study Of Neurotoxicity Induced By Divalent Cadmium On Freshwater Fish <i>Channa Punctatus</i> (Bloch)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year-2018 : 06.**

<b>Name</b>	<b>Registration no.</b>	<b>Title of the project</b>
Bulki Das	03-140049570 of 2014-2015	Study on neurotoxicity induced by hexavalent chromium on behavioural and neurochemical aspects in swiss albino mice
Debjani Kairi	01-140060593 of 2014-2015	Evaluation of lead acetate induced neurotoxicity behavioural study, biochemical assays and histological alteration in <i>channa punctatus</i> (bloch)



Anamika Paul	01-140060573 of 2014-2015	A study on neurotoxicity induced by hexavalent chromium on freshwater fish <i>channa punctatus</i> (bloch)
Tanusree Das	02-140054002 of 2014-2015	A study on lead induced behavioural alterations, brain biochemical and histological changes in swiss albino mice
Sushmita Sen	01-140060632 of 2014-2015	The study on mercuric chloride induced neurotoxicity in channa punctatus (bloch)
Linda Bullomnei Hrangk	05-130344972 of 2013-2014	Impact of inorganic mercury(mercury chloride) on the neurobehavioral & biochemical parameters in swiss albino mice

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year-2017 : 04.**

Name	Registration no.	Title of the project
Abhijeet Paul	01-130036974 OF 2013-2014	A study on neurotoxicity induced by <i>nerium oleander</i> in albino mice
Amit Kumar Das	01-130036850 OF 2013-2014	A study on neurotoxicity effect of sublethal doses of <i>brugmansia arborea</i> extract in mice
Debsikha Sinha	01-120028989 OF 2012-2013	A study on neurotoxicity induced by aqueous extract of <i>ricinus communis</i> in albino mice
A.S.M. Islamul Hoque Laskar	04-110017230 OF 2011-2012	A study on effect of <i>alostonia scholaris</i> in cns of albino mice

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2016 : 09.**

Name	Registration no.	Title of the project
Pradipta Paul	01-120032205	Study On Neurotoxicity Of Mercury And Behavioural Changes In Fresh Water Fish <i>Channa Punctatus</i> .
Sujata Karmakar	41-150078181	A Study On Mercury Induced Neurotoxicity In The Freshwater Fish, <i>Heteropneustes Fossilis</i> (Bloch, 1974)
Rubi Yumnam	01-110016633 of 2011-2012	Neurotoxic Effects Study Of Aluminium Chloride On Freshwater Fish <i>Heteropneustes Fossilis</i>
Debanjan Saha	41-150078185	Neurotoxic Effect Of Sub Lethal Concentrations Of Mercuric Chloride And

		Behavioral Changes In Fresh Water Fish, <i>Channa Punctatus</i> (Bloch).
Susmita Purkayastha	01-120029000	Study On Neurotoxicity Of Aluminium And Associated Behavioural Changes In Fresh Water Fish <i>Heteropneustes Fossilis</i>
Amrit Ghosh	01-110016382 Of 2011-2012	Neurotoxic Effects Of Aluminum On Stinging Cat Fish ( <i>Heteropneustes Fossilis</i> )
Sadhana Sharma	01-110016664	Study On Neurotoxicity Of Aluminium And Associated Behavioral Changes In The Fresh Water Fish <i>Channa Punctatus</i> (Bloch, 1973)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2015 : 11.**

Name	Registration no.	Title of the project
Yahyea Baktiar Laskar	01-00008438 OF 2010-2011	Study of neurotoxic effect of sub-lethal concentrations of dimethoate, an organophosphate pesticide on fresh water fish, <i>channa punctatus</i> (bloch)
Rupak Majzumder	17-140061761 OF 2014-2015	A study on neurotoxic effect of sub-lethal concentrations of dimethoate on fresh water fish, <i>Channa punctatus</i> (bloch)
Piuli Majumder	17-140061765 OF 2014-2015	Neurotoxic effects of sub-lethal concentrations of dimethoate and behavioral changes in the fresh water fish, <i>channa punctatus</i> (bloch)
Dipshikha Shyam	17-140061771	A study on neurotoxic effects of sub-lethal concentrations of cypermethrin on fresh water fish <i>channa punctatus</i> (bloch)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2014 : 08.**

Name	Registration no.	Title of the project
Kuheli Nath	01-100008465 OF 2010-2011	Neurotoxic effect of sublethal concentration of dimethoate on fresh water fish <i>channa punctatus</i> (bloch)
Perminder Kaur Assi	17-130047001	A study on neurotoxicity of sublethal concentration of chlorpyrifos in fresh water fish <i>channa punctatus</i> (bloch)

Deepjyoti Das	17-130061074	Evaluation of neurotoxicity behavioral changes after exposure to sub-lethal concentration of chlorpyrifos in fresh water fish, <i>channa punctatus</i> (bloch)
Dibyajyoti Sharma	03-100007926 OF 2010-2011	Study on neurotoxic effect of sublethal concentrations of dimethoate on fresh water fish <i>channa punctatus</i> (bloch)
Longjam Linthoinganbi Chanu	17-130046998 of 2013-2014	Neurotoxic effects on fresh water fish <i>channa punctatus</i> (bloch) exposed to chlorpyrifos pesticide

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2013 : 08.**

Name	Registration no.	Title of the project
Nakul Neog	17-120033527 OF 2012-2013	Study on neurotoxicity of sublethal concentration of dicofol in fresh water fish, <i>channa punctatus</i>
Azad Sharif Mazarbhuiya	10301639 OF 2009-2010	Neurotoxic study of sublethal concentration of dicofol in fresh water fish <i>channa punctatus</i> (bloch)
Rimpi Deb	17-120033535 OF 2012-2013	Neurotoxic effect of sublethal concentration of malathion in fresh water fish <i>channa punctatus</i> (bloch)
Biswarup Biswas	10105915	A study on neurotoxicity effect of sublethal concentration of malathion in fresh water fish <i>channa punctatus</i> (bloch)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2012 : 10.**

Name	Registration no.	Title of the project
Simee Das	Roll. 041311 no. 22170127	Neurotoxic effect of sub-lethal concentrations of chlorpyrifos on fish, <i>channa punctatus</i> (bloch).
Zenifa Aktar Barbhuiyan	10104088 of 2008-2009	Neurotoxicity of sub-lethal Concentrations of chlorpyrifos in fresh Water fish, <i>channa punctatus</i> (bloch).
Bilkis Khatun	17-110022987 of 2011-2012	Neurotoxic effects of dimetroate on fresh water fish <i>Channa punctatus</i> (bloch).
Sanjit Namasudra	17-110021883 of 2011-2012	Neurotoxic effect of sublethal Concentrations of dimethoate in Freshwater fish <i>Channa punctatus</i> (bloch)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2011- ( CBCS ) : 12.**

Name	Registration no.	Title of the project
H. Ashalata Singha	10202243 2007-2008	Neurotoxic effect of sub-lethal concentrations of malathion in fresh water fish <i>channa punctatus</i> (bloch)
Pankaj Phukan	17-100009249 of 2010-2011	Evaluation of neurotoxic effects of cypermethrin on <i>channa punctatus</i> .”
Rubia Khanam	17-100002209 OF 2010-2011	Neurotoxic effect of pesticide deltamethrin on <i>channa punctatus</i> (bloch)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2011 : 08.**

Name	Registration no./Roll no.	Title of the project
Mira Ghosh	40911 no-0514312	Acute neurotoxicity of cypermethrin on <i>channa punctatus</i> (bloch.)
Sushma Rani	10402278 of 2006-2007	Neurotoxic effect of malathion on fresh water fish <i>channa punctatus</i> (bloch)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2010: 03**

Piyali Das	Roll 40810 no. 0514246	Study on the effect of pesticide malathion on <i>channa</i> sp.
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M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2009 : 05.**

Name	Registration no.	TITLE OF THE PROJECT
Banani Das	Roll. 4079 no. 0514213	Acute neurotoxicity of Deltamethrin in <i>channa punctatus</i> (bloch)

M.Sc. Projects Supervised in Molecular Neurobiology in the **Year- 2008 : 16.**

Name	Registration no./Roll no.	Title of the project
Pratima Banerjee	10400475	The effect of toxin with formulation and its comparison with the effect of gamma-BHC on <i>channa punctatus</i> (bloch.) - parameter- rbc count, behavioural, water

		parameters
Maibam Rasila Devi	ROLL.4068 NO.0514169	The effect of a toxin and its comparison with BHC on the the parameters changes in rbc count, behavioural changes and changes in physico-chemical properties of water
Samir Sil Sharma	24400751 OF 2006-2007	A study report on effect of toxin in <i>channa punctatus</i> and its comparison with DDT based on rbc count, physico-chemical and behavioral parameters.