

DEPARTMENT PROFILE

About the Department

The department of Zoology was established in the year 2016 in the second campus of MDKG College to offer under graduation course to girls. It has been affiliated under Dibrugarh University since inception. The department aims at imparting the best possible education to the students in the field of Zoology.

Department of Zoology has a very well-equipped laboratory and dedicated, passionate and qualified faculties. The department organizes guest lectures by eminent personalities from esteemed institutions. In addition, field trips to National parks, wildlife sanctuaries etc. are organized to motivate the students. Extracurricular activities such as model making, poster making, power point presentation etc. are conducted to inculcate creativity and boost self-confidence of the students.

Vision

Envisions inculcating the values of life science education, respect for nature, and concern for ethical values. Fostering critical thinking and learning process among students through good scientific educational practices.

Mission

To ensure purposeful learning of biological sciences and to provide a strong platform for higher studies, research and employment.

Message from HOD

The B.Sc. Zoology programme (3yrs) is equally balanced with both theoretical and practical sessions which will provide students the hands-on experience. This degree is inclined towards modern technology which will enable students to opt for any specialization course after degree like biotechnology, endocrinology, immunology, applied zoology, aquatic biology, bioinformatics wildlife science etc. Interested aspirants can further advance their learning by enrolling for higher education in Zoology. A graduate degree in Zoology opens a vast range of career opportunities in the field such as Teaching and Research, Forensics, Indian Forest Services, Animal and Wildlife educators, Wildlife rehabilitators and Conservators, Research Projects and in higher specialized studies. The career opportunities for a post graduate in Zoology are limitless. Some of the employment areas which provide huge openings for the Zoology candidates are medical laboratories, wildlife rehabilitation centers, hatcheries, agricultural departments, conservation agencies, environment or ecosystem management

sector, Tea gardens etc. Students may also opt for self-employment by venturing Aquaculture, animal husbandries, apiculture, Sericulture etc.

Course offered

The department of Zoology offers B. Sc in Zoology under Choice based credit system (CBCS).

Achievements

The students actively participate in various sports, cultural and intellectual events organized in the college and bring accolades to the department.

Activities of the department

Department of Zoology organizes programs for the students to celebrate World Wildlife Day, World Environment Day, National Science Day etc. Special talks by eminent resource persons are also organized by the department.

Scholarships

Good number of students of the department of Zoology avail scholarships such as Ishan Uday (NER), ST, SC, OBC, Oil Merit scholarship, MLA scholarship etc.

Faculty:

Name: Polly Sarkar (Founder teacher)

A. Designation: Assistant Professor

B. Qualification: M. Sc in Zoology

C. Area of specialization: Biochemistry

D. Area of Research: Biochemistry, Phytochemical analysis

F. Phone number: 9954517199

G. e-mail ID: pollysarkarz@gmail.com

H. Detail Bio-Data of Faculty:

H₁. Positions held: Member of Parents-Teachers Association, Sports committee; Coordinator of Psychological Counselling Committee

H₂. Academic/Research experience: 5 years teaching experience

a. Languages: Assamese, Bengali, English, Hindi

b. Professional experience: 5 years

H₃. Subjects handled at UG Level: All branches of zoology as per the Syllabus

H₄. Areas of interest: Biochemistry, Molecular Biology, Immunology

H₇. Paper presentation in National and International Seminars/Workshops/Conferences:

Sl.No	Title of the paper presented	Title of the Conference /Seminar	Organizer	Sponsoring agency	Level	Date
1	Comparative analysis of Ascorbic acid content of 15 locally grown fruits and herbs in Dibrugarh, Assam by Iodometric Titration	Trends in Biological Sciences and Sustainable development	Department of Life Sciences, Dibrugarh University, Assam	Department of Life Sciences, Dibrugarh University, Assam	National	5 th and 6 th February, 2020
2	A retrospective study on Drug Addiction- Susceptibility of various age groups, causes and the commonly consumed drug	India/North east India: Issues, Dynamics and Emerging Realities	RGURSF in collaboration with Department of Education, Rajiv Gandhi University, Arunachal Pradesh	RGURSF in collaboration with Department of Education, Rajiv Gandhi University, Arunachal Pradesh	National	13 th and 14 th March, 2020
3	A study on the Prevalence of Invasive Breast Cancer and its relation with age of patients	Recent trends in theoretical and applied statistics	Department of Statistics, Dibrugarh University, Assam	UGC (under SAP DRS-II) Govt. of India	International	10 th , 11 th and 12 th September, 2020

H₉. Details of Publications:

a. Books published:

1. Articles/Chapters published in books:

Serial no.	Title with Page No.	Book title, Editor and Publisher	ISSN/ISBN No.	Whether Peer reviewed?	No. of Co-authors	Whether you are the main author?	Year of publication
1	Organic Farming: Towards a Healthy Environment, pg: 83-88	Recent trends in Environment and Society-Its issues and discussions; Rajjyoti Gogoi and Bornali Nath Dowerah; Kaustubh Prakashan & Printers,Dibrugarh	ISBN:978-93-82283-14-0	No	Nil	Yes	2018
2	A retrospective study on Invasive Breast Cancer cases in Dibrugarh and its neighboring districts; pg:27-34	Recent advances in Multidisciplinary Research-Issues and Perspectives; Ripunjoy Sonowal and Ajit Goswami; Mittal Publication, New Delhi	ISBN- 81-8324-984-1	No	1	Yes	2020

a. Conference/Symposia/Webinars/RC/OP/FDP/STC attended:

Serial No.	Name of the Programme	Duration	Organiser	Sponsoring agency
1	National workshop on Research Paper and Project	2 days;24 th & 25 th October,2016	DURSA, Dibrugarh University,	DURSA, Dibrugarh University, Assam

	Proposal Writing		Assam	
2	National workshop on Capacity building in grant writing skills and effective management of Intellectual Property Rights in Biotechnology by Universities and research Institutions in the North East Region	3 days; 16 th , 17 th & 18 th November, 2016	Biotech Consortium India Limited (BCIL) New Delhi	Department of Biotechnology, Govt. of India
3	National Workshop on Hands on state-of-the-art multicolor flow cytometry workshop for basic and clinical applications	3 days; 18 th , 19 th & 20 th July, 2018	ICMR-RMRC Dibrugarh, Assam	ICMR-RMRC Dibrugarh, Assam
4	Workshop on Bioinformatics: Tools & Applications	7 days, 23 rd to 29 th April, 2019	Department of Life Sciences, Dibrugarh University, Assam	Department of Life Sciences, Dibrugarh University, Assam

16. Syllabus of UG: [Syllabus for b_sc honours and non honours Zoology\BSc Zoology \(Hons\) Syllabus scrutinized 8th april 2019.doc](#)

Name: Bonani Saikia (Founder teacher, Duration 01-06-2016 to 18-12-2020)

A. Designation: Assistant Professor

B. Qualification: M. Sc in Zoology

C. Area of specialization: Biochemistry

D. Area of Research: Biochemistry,

F. Phone number: 9954517199

G. e-mail ID: pollysarkarz@gmail.com

H. Detail Bio-Data of Faculty:

H₂. Academic/Research experience: 4 years teaching experience

a. Languages: Assamese, English, Hindi

b. Professional experience: 4 years

H₃. Subjects handled at UG Level: All branches of zoology as per the Syllabus

H₄. Areas of interest: Biochemistry, Molecular Biology, Immunology

H₇. Paper presentation in National and International Seminars/Workshops/Conferences:

Sl.No	Title of the paper presented	Title of the Conference /Seminar	Organizer	Sponsoring agency	Level	Date
1	Comparative analysis of Ascorbic acid content of 15 locally grown fruits and herbs in Dibrugarh, Assam by Iodometric Titration	Trends in Biological Sciences and Sustainable development	Department of Life Sciences, Dibrugarh University, Assam	Department of Life Sciences, Dibrugarh University, Assam	National	5 th and 6 th February ,2020

H₉. Details of Publications:

b. Books published:

2. Articles/Chapters published in books:

Serial no.	Title with Page No.	Book title, Editor and Publisher	ISSN/ISBN No.	Whether Peer reviewed?	No. of Co-authors	Whether you are the main	Year of publication
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						author?	
1	Human and Elephant conflict in Assam; pg:21-24	Recent trends in Environment and Society-Its issues and discussions; Rajjyoti Gogoi and Bornali Nath Dowerah; Kaustubh Prakashan & Printers,Dibrugarh	ISBN:978-93-82283-14-0	No	Nil	Yes	2018
2	A Report on edible insects of Pongchau and Wakka village of Tirap district, Arunachal Pradesh	Recent advances in Multidisciplinary Research-Issues and Perspectives; Ripunjoy Sonowal and Ajit Goswami; Mittal Publication, New Delhi	ISBN- 81-8324-984-1	No	Nil	Yes	2020
3	A case study of Zootherapeutic Practices of the Sonowal Kachari tribes of Dangri area in Tinsukia District, Assam; pg: 331-336	Emerging Trends in Multidisciplinary Research; D. Dutta, R. Sonowal and A. Goswami	ISBN 978-93-5105-359-0	No	1	Yes	2018

b. Conference/Symposia/Webinars/RC/OP/FDP/STC attended:

Serial No.	Name of the Programme	Duration	Organiser	Sponsoring agency
1	National workshop on Research Paper and Project Proposal Writing	2 days; 24 th & 25 th October, 2016	DURSA, Dibrugarh University, Assam	DURSA, Dibrugarh University, Assam

NAME: KABYASREE DUTTA

A. Designation: Assistant Professor

B. Qualification: M. Sc in Zoology

F. Phone number: 9678894688

G. e-mail ID: kabyasreedutta@gmail.com

H. Detail Bio-Data of Faculty:

H₂. Academic/Research experience: 3 years 2 months

a. Languages: Assamese, English & Hindi

H₃. Subjects handled at UG Level: All branches of Zoology as per syllabus

H₉. Details of Publications:

a. Books published:

1. Articles/Chapters published in books:

Serial no.	Title with Page No.	Book title, Editor and Publisher	ISSN/ISBN No.	Whether Peer reviewed?	No. of Co-authors	Whether you are the main author?	Year of publication
<u>1</u>	<u>Comparative study of structure of testes of catfishes <i>Clarius maqur</i> (Hamilton, 1822)(CLARIDA E, PISCES) and <i>Heteropneustes fossilis</i> (Bloch, 1792)(HETEROPNEUSTIDAE, PISCES)</u>	<u>MITTAL PUBLICATIONS, NEW DELHI</u>	<u>81-8324984-1</u>		<u>--</u>	<u>yes</u>	<u>2020</u>

a. Conference/Symposia/Webinars/RC/OP/FDP/STC attended:

Serial No.	Name of the Programme	Duration	Organiser	Sponsoring agency
1	4th Indian National seminar of PLANTS IN DIABETES:PROSP ECTS & CHALLENGES.	13.03.15 (1day)	Dibrugarh University	
2	NE Regional Conference and Exhibition on “ Promotion & Protection of Traditional Health Care Remedy” Workshop on “capacity building in grant writing skills and effective management of Intellectual Property Rights (IPR) in Biotechnology by universities and research	24.03.17 - 26.03.17 (3days)	Institutional Biotech Hub , Dept, of Biotechnology,G auhati University Biotech Consortium India Limited(BCIL),Ne	

3	<p>institutions in the NE Region”</p> <p>1st North East Aqua Professional Meet cum National Workshop on Recent Developments in Aquaculture</p> <p>Workshop on Bioinformatics: Tools & Applications</p>	<p>16.11.16-18.11.16</p> <p>(3days)</p>	<p>w Delhi</p> <p>ICAR, Kausalya nga. Bhubaneswar-751002</p>	<p>Department of Biotechnology, Govt, of India</p>
4	<p>FDP on “Behavioural Remodeling and Use of ICT Tools for Classroom Delivery of Teachers”</p> <p>International</p>	<p>5.03.18-6.03.18</p> <p>(2days)</p>		

5	<p>webinar on "WHY STUDYING PEOPLE IS KEY TO UNDERSTANDING HUMAN-PRIMATE INTERACTIONS"</p> <p>International webinar on "THREATS TO BIODIVERSITY, ITS CONSERVATION AND CHALLENGES"</p>	<p>23.04.19-29.04.19 (7days)</p>	<p>Dept. of Life Sciences, Dibrugarh University, Dibrugarh - 786004, Assam, India</p> <p>E & ICT Academy IIT Guwahati</p>	
6		<p>1.07.19-6.07.19 (7days)</p>	<p>IQAC AND ZSA UNIT, DHSK COLLEGE AND ZOOLOGICAL SOCIETY OF ASSAM IN ASSOCIATION WITH ASHWINI CHARAN CHOUDHURY CENTRAL LIBRARY, DHSK COLLEGE, ASSAM INDIA</p>	
7		<p>24.08.2020 (3hours)</p>		

8		29.08.2020 (3 hours)	DEPT. OF ZOOLOGY BARNAGAR COLLEGE, ZOOLOGICAL SOCIETY OF ASSAM, BARNAGAR BRANCH AND ZOOLOGICAL SOCIETY OF ASSAM IN ASSOCIATION WITH ASSAM SCIENCE SOCIETY,	
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NAME: NIPEN NAYAK

A. Designation: Assistant Professor

B. Qualification: M. Sc in Zoology

C. Area of specialization: Fish and Fisheries

D. Area of Research: Fish Biology, Rearing, Breeding and Aquatic Field Survey.

E. Research Degree: Pursuing PhD.

Degrees	Title	Date of award	University
M.Phil			
Ph.D	STUDIES ON THE FEEDING AND REPRODUCTIVE BIOLOGY OF RAINBOW SNAKEHEAD (<i>Channa bleheri vierke</i>) WITH SPECIAL REFERENCE TO ITS BREEDING AND REARING	Ongoing	Dibrugarh University
Any other degree			

F. Phone number: 8399842577

G. e-mail ID: nipennayak2014@gmail.com

H. Detail Bio-Data of Faculty:

H₂. Academic/Research experience: 1 years 6 Months teaching experience in Department of Zoology, MDKG College.

a. Languages: English, Hindi, Assamese

H₃. Subjects handled at UG Level: All branches of Zoology as per Syllabus

H₆. Honours and Awards: Second Prize in Project Proposal Competition, ANVESHAN-2017, Students' Research Convention (East Zone), held in VBS Purvanchal University Jaunpur, Uttar Pradesh.

H7. Paper presentation in National and International Seminars/Workshops/Conferences:

Sl.No.	Title of the paper presented	Title of the Conference/ Seminar	Organiser	Sponsoring agency	Level	Date
1.	“Development of Marginalized Sections in North-East India: Its Problems and Prospects”	Development of Marginalized Sections in North-East India: Its Problem and Prospects	Department of Sociology, Khowang College	UGC		10 th and 11 th Januray , 2015
2.	“Need for Scientific Based Aquaculture with Special Emphasis on Rearing of two Snakehead Fishes”	Socio-economic and Scientific Development in Northeast India: Problems and Prospects	Department of Sociology in collaboration with IQAC, Arya Vidyapeeth College, Guwahati	UGC		27 th -28 th Octobe 2017
3.	“Germplasm Conservation and Mass Propagation through Intensive Fish Culture in Seasonal Water Bodies of Assam to Promote Entrepreneurship Development”	ANVESHAN-(2017) Students’ Research Convention (East Zone)	VBS Purvanchal University, Jaunpur, Uttar Pradesh	Association of Indian Universities		20-21 Februa ry
4	Research Advancement in	National Science Day	DURSA, Dibrugarh			28 th Februa

	Parkinsons' Disease: A Review	Celebration	University	Dibrugarh University		ry, 2017
5	Medicinal Values of the Snakeheads of Assam	1 st North East Aqua Professional Meet cum National Workshop on Recent Developments in Aquaculture	Jeeva Suraksha, Sivasagar and IQAC, DHSK College, Dibrugarh	ICAR-CIFA, Bhubaneswar		5-6 th March, 2018
6	Feeding Biology and Food Selection in Different Length Groups of <i>Channa bleheri</i>	International Conference on Recent Advances in Animal Sciences	Pachunga University, Aizawl, Mizoram India	Pachunga University		6-8 th November, 2019
7	Application of Different Body Indices in Determining the Sexual Dimorphism in Fishes with Special reference to Rainbow Snakehead (<i>Channa bleheri</i> , Vierke)	International Seminar Recent Trends in Theoretical and Applied Statistics	Department of Statistics, Dibrugarh University	UGC		18-20 th September, 2020
8	Embryonic Development of Rainbow Snakehead (<i>Channa bleheri</i> , Vierke)	National Seminar on Trends in Biological Sciences and Sustainable	Department of Life Sciences, Dibrugarh University	Dibrugarh University		20 th January, 2020

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H₈. Resource Person:

- i. Invited Speaker on Fish Disease Management and Prevention and Periodic Monitoring and Water Quality Maintenance of Fish Pond, Office of District Fishery Development Officer, Dibrugarh, Govt. of Assam.
- ii. As Judge in Children Science Congress, District Level Dibrugarh.
- iii. As Judge in Children Science Congress, District Level, Dhemaji.

H₉. Details of Publications:

a. Published Papers in Journals:

Serial No.	Title with page no, issue no and volume no.	Name of the Journal	ISSN/ISBN No.	Whether peer reviewed impact factor , if any?	No. of Co-authors	Year of publication
1.	Induced Breeding of Rainbow Snakehead (<i>Channa bleheri</i> Vierke, 1991) Under Captive Condition. Volume 33, Issue (4) : Page No. 370–374	Asian Fisheries Science	0116-6514/2073-3720	Peer reviewed, Impact Factor 0.37	3	December, 2020
2.	Induced breeding, embryonic and larval	International Journal of Aquatic	2322-5270/2383-0956	Peer reviewed, Impact	4	2020

	development of <i>Macrogathus pancalus</i> (Hamilton, 1822) under captive condition, Volume 8, Issue 1, Page No. 73-82.	Biology		Factor 0.457		
3.	Feeding biology and food selection in Rainbow Snakehead (<i>Channa bleheri</i> , Vierke 1991), Volume 11, Issue 1, Page No. 51-55.	NeBIO	0976-3597/2278-2281	Peer reviewed, Impact Factor 0.998	4	January, 2020
4.	Wetland shrinkage: A threat to the indigenous fish population of Assam	NeBIO	0976-3597/2278-2281	Peer reviewed, Impact Factor 0.998	1	January, 2020
5.	Studies on sagittal otolith morphology and morphometric relationships of <i>Trichogaster fasciata</i> from the Upper Brahmaputra Basin, Assam, Volume 7, Issue 3 (2018)	Trends in Fisheries Research	2319-4758/2319-474X	Peer reviewed, Impact factor 0.231	3	2018

6.	Length-Weight Relationship of Fingerlings of <i>Channa stewartii</i> (Family: Channidae) Reared under Captive Condition, 6 Issue 2: Page No. 80-84	Journal of Bioresources	2394-4315/ 2582-2276	Peer reviewed	4	2019
7.	Feeding Behaviour of Tank Goby, <i>Glossogobius giuris</i> (Hamilton) and Its Rearing Feasibility in Upper Assam, 7, Page No. 61-68.	Spectrum	2349-2937	Peer reviewed	2	2020
8.	Investigations on Gonadosomatic Index and Gonad Histology of Barred Spiny eel <i>Macrogathus pancalus</i> Hamilton, 1822 from Upper Assam, India. (Accepted for Publication.)	Agricultural Science Digest	0253-150X/ 0976-0547	Peer reviewed, Impact factor 0.041	4	
9.	Synchronicity of Condition Factor with Reproductive Development in	Agricultural Science Digest	0253-150X/ 0976-0547	Peer reviewed, Impact factor 0.041	3	

	Rainbow Snakehead <i>(Channa bleheri</i> Vierke, 1991). (Accepted for Publication.)					
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c. Books published:

3. Articles/Chapters published in books:

Serial no.	Title with Page No.	Book title, Editor and Publisher	ISSN/ISBN No.	Whether Peer reviewed?	No. of Co-authors	Whether you are the main author?	Year of publication
1.	“A Brief Description of Some Tributaries of Subnsiri Basin of Arunachal Pradesh, their Sustainable Utilization and Future Prospects”,	ENVIRONMENTAL ISSUES	ISBN No. 978-81-2028-827-0	Yes	1	Yes	2017
2.	Nutritional Content and Medicinal Importance of the Snakehead	Glimpses of Biological Research in Upper Brahmaputra	ISBN No. 978-81-94692-20-1	Yes	1	Yes	2020

Fishes, Page 355- 361.							
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c. Conference/Symposia/Webinars/RC/OP/FDP/STC attended:

Serial No.	Name of the Programme	Duration	Organiser	Sponsoring agency
1.	International Webinar on Sustainable Aquaculture Management in South-East Asia	4 hours	Department of Zoology in collaboration with IQAC Jawaharlal Nehru College, Pasighat	
2.	National Webinar on "Freshwater Fish Diversity in India"	3 hours	Freshwater Biology Regional Centre, Zoological Survey of India, Hyderabad, 13th August, 2020.	