

DEPARTMENT OF ZOOLOGY

**NARASINGH CHOUDHURY AUTONOMOUS COLLEGE
JAJPUR**

Estd-1946



A PROFILE

SUBMITTED TO

UGC AUTONOMY EXTENSION INSPECTION COMMITTEE

DATE: ___16.12.2022_____

OUR MISSION

- To promote tolerance and fellow-feeling among students for mutual accommodation of interests.
- To promote a set of values to strengthen human bonds.
- To build students as effective instruments of social change.
- To promote scientific temper and inquisitive spirit for a brighter tomorrow.
- To create a favourable environment for women empowerment on account of the numerical strength of women learners.

OUR VISION

The institution envisions a bright future for learners who are mostly from rural backgrounds and aims to empower them with knowledge and motivation for research.

PROFILE OF THE DEPARTMENT

- Name and Address of the Department-
Department of Zoology, N.C (Auto) College, Jajpur
- Year of Establishment: 01.07.1962
- Brief History of Department: The department of Zoology was established as an individual department with enrollment of 16 students. Gradually the number has been increased to 24 with a mission to create budding academicians and explorers in Zoology.

Course Structure of U.G. Zoology Honours				
Semester	Course	Course Name	Credit	Total marks
Semester-I	AECC I	AECC I	4	100
	Core I (Theory)	Non-chordates I: Protista to Pseudo coelomates	4	75
	Core I (Practical)	Non-chordates I: Protista to Pseudo coelomates	2	25
	Core II (Theory)	Principles of Ecology	4	75
	Core II (Practical)	Principles of Ecology	2	25
	GE 1 (Theory)	GE 1 (Theory)	4	75
	GE I (Practical)	GE I (Practical)	2	25
Semester-II	AECC 2	AECC 2	4	100
	Core III (Theory)	Non chordates II: Coelomates	4	75
	Core III (Practical)	Non chordates II: Coelomates	2	25
	Core IV (Theory)	Cell biology	4	75
	Core IV (Practical)	Cell biology	2	25
	GE II (Theory)	GE II (Theory)	4	75
	GE II (Practical)	GE II (Practical)	2	25
Semester-III	Core V (Theory)	Diversity of Chordates	4	75
	Core V (Practical)	Diversity of Chordates	2	25
	Core VI (Theory)	Physiology: Controlling and Coordinating systems	4	75
	Core VI (Practical)	Physiology: Controlling and Coordinating systems	2	25
	Core VII (Theory)	Fundamentals of Biochemistry	4	75
	Core VII (Practical)	Fundamentals of Biochemistry	2	25
	SEC 1	SEC 1	4	100
	GE III (Theory)	GE III (Theory)	4	75
	GE III (Practical)	GE III (Practical)	2	25

- **Programme offered by the Department**
- **Inter disciplinary courses offered and department Involved-**
Biotechnology, Biostatistics, Biochemistry, Sericulture,
Apiculture
- **Course Structure –B.Sc. Hons.(3 Years) GE, AECC (Environmental Science And Disaster Management)**

	Core VIII (Theory)	Comparative anatomy of Vertebrates	4	75
	Core VIII (Practical)	Comparative anatomy of Vertebrates	2	25
	Core IX (Theory)	Physiology: Life Sustaining Systems	4	75

Semester -IV	Core IX (Practical)	Physiology: Life Sustaining Systems	2	25
	Core X (Theory)	Biochemistry of Metabolic Processes	4	75
	Core X (Practical)	Biochemistry of Metabolic Processes	2	25
	SEC 2	SEC 2	4	100
	GE IV (Theory)	GE IV (Theory)	4	75
	GE IV (Practical)	GE IV (Practical)	2	25
Semester-V	Core XI (Theory)	Molecular Biology	4	75
	Core XI (Practical)	Molecular Biology	2	25
	Core XII (Theory)	Principles of Genetics	4	75
	Core XII (Practical)	Principles of Genetics	2	25
	DSE I (Theory)	DSE 1 (Animal Biotechnology)	4	75
	DSE I (Practical)	DSE 1 (Animal Biotechnology)	2	25
	DSE II (Theory)	DSE II(Immunology)	4	75
	DSE II (Practical)	DSE II(Immunology)	2	25
Semester-VI	Core XIII (Theory)	Developmental Biology	4	75
	Core XIII (Practical)	Developmental Biology	2	25
	Core XIV (Theory)	Evolutionary Biology	4	75
	Core XIV (Practical)	Evolutionary Biology	2	25
	DSE III (Theory)	DSE III (Fish & Fisheries)	4	75
	DSE III (Practical)	DSE III (Fish & Fisheries)	2	25
	DSE IV (Theory with Practical /Project)	Project/ Economic Zoology	6	100
Total			148	2600

TEACHERS OF THE DEPARTMENT

Sanctioned strength: 4+2

Present strength: 3+1

Sl.No	Name of the teacher	Qualification	Designation	No. of years Experience in teaching
1	Prof. Manoj Kumar Mohapatra	M.Sc., M.Phil.	Asst. Professor	30
2	Smt. Jayanti Dash	M.Sc., M.Phil.	Asst. Professor	11
3	Smt. Sradhanjali Sahu	M.Sc., M.Phil.	Asst. Professor	11
4	Miss Sumitra Ojha	M.Sc.	Guest Faculty	
5	Miss Bhagyashree Rath	M.Sc., M.Phil., B.Ed.	Guest Faculty	
6	Miss Arpeeta Mallick	M.Sc.	Guest Faculty	
7	Dr. Miss Sanjeebani Panda	M.Sc., Ph.D.	Demonstrator	29
8	Smt. Madhusmita Singh	M.Sc., M.Phil.	Laboratory Assistant –cum- Storekeeper	
9	Smt. Gayatri Jena	M.Sc., Int. B.Ed. - M.Ed.	Laboratory Assistant –cum- Storekeeper	

Details about Infrastructural Facilities of Department

Sl.no	Name of The Room	Number
1	Office Room	2

2	Class Room	4
3	Staff Room	2
4	Laboratory	2
5	Store Room	3

ACADEMIC PERFORMANCE

DEPT.OF ZOOLOGY 2018-2022

Academic year	Total strength	Appeared	Percentage(%) of Pass	Total First class with Distinction
2018	29	25	100	21
2019	24	23	100	21
2020	24	20	100	15
2021	24	16	94	10
2022	24	20	100	15

SPECIAL ACHIEVEMENT OF DEPARTMENT

2018-2022

Sl.No	Special Event	Year
1	Ms Suprava Mohanty of Zoology Department was awarded as best graduate in the College,	2020-2021
2	Ms Ranjeeta Mahalik of Zoology Department was awarded as best graduate in the College,	2021-2022
3	Mr Abyakta Guru was selected in National Institute of Human Genetics, Bengaluru under Masters programme	2021-2022

N.B: Affix the Photographs.

CO-CURRICULAR ACTIVITIES OF THE DEPARTMENT

2018-2022

Sl.No	Specific Item	Date	Mode of Organisation & its Venue	Participants
1	Carrom competition	21.01.2019	Zoology Department	12
2	Chess competition	04.10.2021	Zoology Department	10
3	G.K. competition	5.10.2021	Zoology Department	15
4	Alpana Competition	02.12.2022	Zoology Department	18
5	Rangoli Competition	02.12.2022		20

PROMINENT ALUMNI- OUR ACHIEVERS

Sl.No	Name	Year of Pass Out	Achievement
1	Dr. Amaresh Chandra Panda	2004	Scientist in ILS

2	Dr. Sandeep Kumar Panda	2005	Assistant Professor in KIIT
3	Dr. Priyaranjan Debta	1995	Assistant Professor in MSCB university
4	Dattatreya Satpathy	2016	Lecturer I Zoology, Talcher Autonomous College
5	Madhusmita Tripathy	1987	P. N. Autonomous College, Khurda
6	Dr. Sanjeebani Panda	1987	Demonstrator in N C College
7	Mrs. Swati Panda	1985	Salipur college, Salipur
8	Dr. Kukumina Mohanty	1986	G C College, Bari
9	Mrs. Jayanti Dash	1998	Assistant Professor in Zoology, N.C. autonomous College, Jajpur
10	Mrs. Sradhanjali Sahu	2004	Assistant Professor in Zoology, N.C. autonomous College, Jajpur

Strengths, Weakness, Opportunities and Challenges (SWOC) of the Department

Strengths: Commitment Towards Teaching Learning process

Weakness: Shortage of Laboratory Facilities.

Opportunities: To encourage the wholesome development of student personality and excellence.

Challenges: Improper Sanitation and electrification

FUTURE PLAN OF DEPARTMENT:

1. Through the community development programme to generate the self-employed activities like sericulture, pisciculture, apiculture, vermicomposting.
2. To conduct awareness programmes regarding health and hygiene.

INDIVIDUAL PROFILE OF GAYATRI JENA

**Affix Passport Size
colour Photograph**

Aadhar No: 7815 2965 0978

Designation:	Laboratory Assistant –cum-Storekeeper
Qualification:	M.Sc., Integrated B.Ed-M.Ed
Whatsapp No:	8144648958
NET/ SLET Qualified	JRF
Ph.D.(awarded in the Year/ Name of the University/ Title)	-
Date of Entry in to OES	-
ORCID ID	-
h-Index	-
Email	gayatriguddy17@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	29.08.22

INDIVIDUAL PROFILE OF MADHUSMITA SINGH

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colour Photograph**

Aadhar No: 5221 0846 7332

Designation:	Laboratory Assistant –cum-Storekeeper
Qualification:	M.Phil.
Whatsapp No:	8658891459
NET/ SLET Qualified	-
Ph.D.(awarded in the Year/ Name of the University/ Title)	-
Date of Entry in to OES	-
ORCID ID	-
h-Index	
Email	Madhusmitasingh92@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	26.08.22

INDIVIDUAL PROFILE OF DR. SANJEEBANI PANDA

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Aadhar No: 2756 0287 2573

Designation:	Demonstrator
Qualification:	M.Sc., Ph.D.
Whatsapp No:	8249068720
NET/ SLET Qualified	
Ph.D.(awarded in the Year/ Name of the University/ Title)	2000 UTKAL UNIVERSITY “EFFECTS OF DIFFERENT LEVELS OF DIETARY PROTEIN ON GROWTH AND PROTEIN CONVERSION EFFICIENCY OF <u>CLARIAS</u> <u>BATRACHUS</u> (LINN)”.
Date of Entry in to OES	
ORCID ID	
h-Index	
Email	Sanjeebani.panda@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	23.08.1993 29 years

INDIVIDUAL PROFILE OF PROF. MANOJ KUMAR MOHAPATRA

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Aadhar No: 4629 8806 2309

Designation:	ASSISTANT PROFESSOR
Qualification:	M.Sc., M.Phil.
Whatsapp No:	9437290369
NET/ SLET Qualified	
Ph.D.(awarded in the Year/ Name of the University/ Title)	
Date of Entry in to OES	04.09.1992
ORCID ID	
h-Index	
Email	mkmohapatra7@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	11 yrs 03.09.2011

1. **Refresher Course/Orientation programme/Induction Programme/FDP/Short Course**

Sl. No.	Year	From / To	Type	Organising institute	Topic/Title
1	1994	27.12.1994	Refresher	Dept. of Environmental Science, Sambalpur University	Environmental science
2	2006	17.10.2006 to 13.11.2006	Orientation	Academic Staff College, Utkal University	
3	2008	05.12.2008 to 25.12.2008	Refresher	Academic Staff College, Utkal University	Environmental science
4	2010	16.02.2010 to 08.03.2010	Refresher	Academic Staff College, Utkal University	Biotechnology

INDIVIDUAL PROFILE OF SRADHANJALI SAHU

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Aadhar No: 8793 3413 0978

Designation:	Assistant Professor
Qualification:	M.Sc., M.Phil.
Whatsapp No:	7608090312
NET/ SLET Qualified	GATE
Ph.D.(awarded in the Year/ Name of the University/ Title)	Ph.D.(Cont.) KIIT University
Date of Entry in to OES	03.09.2011
ORCID ID	-
h-Index	-
Email	sradhajali.sahu@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	1 year 03.09.2021

Sl. No.	Year	From / To	Type	Organising institute	Topic/Title
1	2015	28 th Jan...24 Feb	Orientation	Utkal University	Advances in science
2	2018	21 st Aug...10 th Sept	Refresher	Utkal University	Prospectives in Biological Science
3	2020	25 th Jan...7 th Feb	Refresher	Utkal University	Biotechnology and Biosciences
4	2022	8 th ...21 st March	Refresher	Utkal University	Research Methodology in Basic Sciences

4.2 Publications in Conference proceedings/Books/Book Chapters

Sl.No	Title of the article	Proceeding/ Book Name	Publisher	ISBN	page	Year
1	Nano biotechnology in Fermented Dairy Products	Advances in Dairy Products	Elsevier	Singh-ADMP-163289	Chapter 24	2021
2	Starter Cultures: An insight to specific applications in flavouring and health promotion	Starter Cultures	Elsevier		Chapter 18	2022
3	Flavorization of Food by Probiotics	Flavourisation of Food	Nova		Chapter 15	2019

4.3 Conference/Seminar/Workshop paper presented/Resource person/participated

Sl. No.	Name of the Event	Organizing institute	Duration	Title of the paper presented / Participated
1	Webinar	Bioingene	1 day (05.09.2020)	participated
2	Webinar	NIFTEM	1day(27.06.2020)	Participated
3	Webinar	Bioteccnika	! day (22.07.2022)	Participated
4	Webinar	KIIT	2day (12-14 Sept. 2020)	Participated

INDIVIDUAL PROFILE OF SUMITRA OJHA

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Aadhar No: 4503 5787 1694

Designation:	Guest Faculty
Qualification:	M.Sc.
Whatsapp No:	9337754068
NET/ SLET Qualified	-
Ph.D.(awarded in the Year/ Name of the University/ Title)	-
Date of Entry in to OES	-
ORCID ID	-
h-Index	-
Email	ojhasumitrapriyadarsini@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	22.11.22

INDIVIDUAL PROFILE OF ARPEETA MALLICK

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Aadhar No: 8823 1132 7245

Designation:	Guest Faculty
Qualification:	M.Sc.
Whatsapp No:	8908708224
NET/ SLET Qualified	GATE
Ph.D.(awarded in the Year/ Name of the University/ Title)	-
Date of Entry in to OES	-
ORCID ID	-
h-Index	-
Email	arpeetamallick1@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	21.11.22

INDIVIDUAL PROFILE OF BHAGYASHREE RATH

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Aadhar No: 9322 8731 0896

Designation:	Guest Faculty
Qualification:	M.Sc.,M.Phil., B.Ed.
Whatsapp No:	9692879661
NET/ SLET Qualified	-
Ph.D.(awarded in the Year/ Name of the University/ Title)	-
Date of Entry in to OES	-
ORCID ID	-
h-Index	-
Email	bhagyashreerath194@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	28.11.22

INDIVIDUAL PROFILE OF JAYANTI DASH

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Aadhar No: 486229755479

Designation:	Asst. prof. in Zoology
Qualification:	M. Sc, M. Phil in Zoology
Whatsapp No:	8480402066
NET/ SLET Qualified	OPSC in 2011
Ph.D. (awarded in the Year/ Name of the University/ Title)	Continuing at SOADU, Bhubaneswar
Date of Entry in to OES	03. 09. 2011
ORCID ID	
h-Index	
Email	Jayantidash94672@gmail.com
No. of Years in N.C. Autonomous College / Date of Joining	1 yr 03. 09. 2021

1. Refresher Course/Orientation programme/Induction Programme/FDP/Short Course

Sl. No.	Year	From To	Type	Organising institute	Topic/Title
1	2019	15.01. 2019- 30.03.2019	Refresher (Online)	SWAYAM - ARPIT	Advances in Animal Diversity, Systematic & Evolution
2.	2020	12. 02. 2020- 03. 03. 2021	Orientation(offline)	UTKAL UNIVERSITY	

2. Conference/Seminar/Workshop paper presented/Resource person/participated

Sl. No.	Name of the Event	Organizing institute	Duration	Title of the paper presented / Participated
1	National Seminar	Odisha Bigyan 'O' Paribesh Congress	25 th and 26 th Nov. 2017	Science & Technology for Environmental Security
2	International Conference	N.C (Auto.) College Jajpur	29 th and 30 th Jan. 2019	Biodiversity and Sustainable Development and Strategies for Future
3	National Conference	WB-OHEPEE	2 nd and 3 rd mar. 2019	Advances in Zoology
4	National Seminar	Odisha Bigyan 'O' Paribesh Congress	20 th and 21 st Nov 2021	