

FINAL REPORT
of
International Seminar on

**Molecular Approaches in Zoological
Research**



Organized by

The Department of Zoology

Rajiv Gandhi University
Rono Hills, Doimukh-791112
Arunachal Pradesh, India

February 24th, 2022

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Acknowledgments

We are extremely grateful to **Prof. Saket Kushwaha**, Hon'ble Vice-Chancellor, Rajiv Gandhi University for his persistent encouragement and support for smooth conduct of this seminar.

We would like to convey our deepest gratitude to **Prof. Amitava Mitra**, Pro Vice-Chancellor of the university, and **Dr. N.T. Rikam**, the Registrar of the university for the tireless commitment and support to the event.

We feel privileged to host the learned dignitaries, **Prof. Sushanta K Banerjee**, Research director, Cancer research unit, Kansas City VA Medical Center, Kansas City, Kansas, USA, **Prof. Urmi Chatterjee**, Department of Zoology, Calcutta University, West Bengal, India, and **Prof. Shibnath Mazumder**, South Asian University, New Delhi, India.

We are humbled by the presence of the learned faculty members of RGU and other universities of the nation, young students and research scholars from the university and beyond, and of those who have directly or indirectly contributed to the grand success of the program.

Thank you all.

Webinar Organizing Committee

Organizing Committee

- **Chief Patron:** Prof. Saket Kushwaha, Honorable Vice-Chancellor, Rajiv Gandhi University.

- **Patrons:**
 - Prof. Amitava Mitra, Pro Vice-Chancellor, Rajiv Gandhi University.
 - Dr. N.T. Rikam, Registrar, Rajiv Gandhi University.
 -

- **Chairman:** Prof. Sumpam Tangjang, Dean, Faculty of Life Sciences & Agricultural Sciences, Rajiv Gandhi University.

- **Convenor: Prof. D.N. Das**, Professor and Head, Dept. of Zoology, RGU.

- **Organizing secretary**
 - Dr. Arnab Ghosh, Assistant Professor, Dept. of Zoology, RGU.
 - Dr. GK Saurav, Assistant Professor, Dept. of Zoology, RGU.

- **Members:**
 - Prof. Hirendra Nath Sarma, Ph.D., Dept. of Zoology, RGU.
 - Prof. Jharna Chakraborty, Ph.D., Dept. of Zoology, RGU.
 - Dr. Daniel Mize, Ph.D., Dept. of Zoology, RGU.
 - Dr. Pankaj Kumar, Ph.D., Dept. of Zoology, RGU.
 - Dr. Hiren Gogoi, Ph.D., Dept. of Zoology, RGU.

Resource Persons

1. **Prof. Sushanta K Banerjee.** Research director, Cancer research unit, Kansas City VA Medical Center, Kansas City, Kansas, USA.
2. **Prof. Urmi Chatterjee,** Department of Zoology, Calcutta University, West Bengal, India.
3. **Prof. Shibnath Mazumder,** South Asian University, New Delhi, India.

Programme Schedule

Title
International Seminar on Molecular Approaches in Zoological Research
Organized by: Department of Zoology, Rajiv Gandhi University
Date: February 24 th , 2022
Mode: Online/Remote
Link for the seminar:

First Session	9:30 AM to 1:00 PM
Inauguration:	9:30 AM
Welcome to participants: Address by the HOD: 5 Min Address by the Dean: 5 Min Address by Pro-Vice-Chancellor: 10 Min Address by the Hon'ble Vice Chancellor: 15 Min	
Introduction to speaker-1 (5 Min) Speaker : Prof. Sushanta K Banerjee. KUMC, KC, USA. (45 Min lecture +10 Min discussion)	10:00 AM
Introduction to Speaker-2 (5 Min) Speaker: Prof. Urmi Chatterji, CU, Kolkata, India. (45 Min lecture +10 Min discussion)	11:00 AM

Introduction to Speaker-3 (5 Min)		12:00 PM
Speaker: Prof. Shibnath Mazumder, SAU, New Delhi, India. 45 Min lecture +10 Min discussion		
Vote of thanks for First Session (5 Min)		
Lunch Break	1:00 PM to 2:00 PM	
Second Session:		2:00 PM to 5:00 PM
Serial. No.	Research Scholar Presentation (10 Min lecture + 2 Min discussion)	
1.	Shumaila Bano – Amity University	
2.	Krishnakshi Misra – Rajiv Gandhi University	
3.	Nitish Rawat- University of Delhi	
4.	Sonam Drema Tukshipa - Rajiv Gandhi University	
5.	Ananya Banerjee - Calcutta University	
6.	Ruby Taid - Rajiv Gandhi University	
7.	Bindarika Mukherjee- University of Burdwan	
8.	Taba Meth - Rajiv Gandhi University	
9.	Naira Nayab - Jai Prakash University	
10.	Chihi Umbrey - Rajiv Gandhi University	
11.	Arpita Gope - Gour Banga University	
12.	Juicy Patir - Rajiv Gandhi University	
13.	Nyabin Riso - Rajiv Gandhi University	
Serial. No.	M.Sc. Student Presentation (8 min lecture + 2 Min discussion)	
1.	Robita Doley	
2.	Palash Joyti Chaliha	
3.	Anju Paul	
4.	Hassan Choudhary	
5.	Himsikha Patowary	
Vote of thanks		

Objectives of the Seminar

Molecular biology flows as an undercurrent through all avenues of life sciences. It is an essential tool in this era of constantly evolving interdisciplinary scientific environment. It is and will be an integral part of life science research for years to come.

The seminar covers a wide array of themes from Cancer, Immunology and pathophysiological outcome of exposure to arsenic, etc. Arunachal Pradesh, as well as the entire North-East part of India has been burdened with many types of cancer. A thorough understanding of the molecular basis will help to generate awareness among the population and promote research. Additionally, COVID-19 has thought us the importance of understating the nature of immunological response to certain infections like never before. Hence, understanding the molecular basis of each of every event in life science is key towards scientific excellence.

Outcomes of the Seminar

- Motivating the younger generations and researchers to explore and seek career opportunities in the field of molecular biology.
- This seminar achieved its intent to serve as an effective platform for the research community to learn, share and supplement each other's research while keeping abreast of the latest trends in this arena. The seminar created, strengthened partnerships between the scientific community, publishers, policymakers, and society.

Executive summary

The department of zoology organized (Approval No #AC-1510/WS/ZOO/2015 , dated 1st Feb 2022) an International Seminar on Molecular Approaches in Zoological Research on February 24, 2022 through online mode. The seminar was segmented into four dedicated sessions, i.e., inaugural session followed by first technical session and second technical session followed by valedictory session.

The seminar commenced with the welcome address delivered by Prof. Sumpam Tangjang, Dean, F/O Life Sciences & Agricultural Sciences, Coordinator, Dept. of Agricultural Sciences & Food Technology, RGU. He welcomed all the dignitaries present in the seminar and appreciated the fine leadership of Honorable VC of RGU.

Dr. N.T. Rikam, Registrar, RGU stressed on the importance of zoology department of RGU that can play a significant role in advancement and transformation of molecular biology. He also emphasized on the importance of collaboration and how the Rajiv Gandhi University can help in this direction.

Prof. Saket Kushwaha, hon'ble Vice Chancellor, RGU talked about the importance of molecular biology research and capacity building at the Rajiv Gandhi University. The possible role of the department of zoology and faculty of life sciences in developing a self-sustaining molecular biology research facility were also emphasized.

At the beginning of the first technical session, first resource person, Prof. Sushanta K Banerjee from University of Kansas Medical Center delivered his presentation in technical session. He talked about the role of CCN5 and tumor suppressor gene and its role in breast cancer management.

Second resource person Prof. Urmi Chatterji, from Calcutta University delivered a lecture on Arsenic Poisoning and its molecular pathway.

Third speech was delivered by Prof. Shibnath Mazumder, from South Asian University, New Delhi, India. He discussed about the host pathogen interaction in fishes with emphasis to the immunological responses triggered by the pathogen.

In the second technical session, moderated by Dr. Arnab Ghosh, and Dr. GK Saurav Dept. of Zoology, 13 research scholars across different educational institutions across India, presented their research. Miss. Shumaila Bano from Amity University, Mr. Nitish Rawat from University of Delhi, Miss. Ananya Banerjee from Calcutta University, Miss. Bindarika Mukherjee from University of Burdwan, Mrs. Naira Nayab from Jai Prakash University, Miss. Arpita Gope from Gour Banga University, Miss. Krishnakshi Misra, Miss. Sonam Drema Tukshipa, Miss. Ruby Taid, Miss. Taba Meth, Mr. Chihi Umbrey, Mr. Juicy Patir and Miss. Nyabin Riso - Rajiv Gandhi University presented their research.

Five M.Sc. III semester students, Miss. Robita Doley, Mr. Palash Joyti Chaliha, Miss. Anju Paul, Mr. Hassan Choudhary, Miss. Himsikha Patowary, delivered short lectures regarding new tools and techniques in molecular biology,

Dr. Arnab Ghosh, and Dr. GK Saurav Dept. of Zoology, moderated the inaugural session and technical sessions, and the vote of thanks was proposed by Dr. GK Saurav, Dept. of Zoology.

Name of Research Scholars and M.Sc. Students presented research article in this seminar.

	Name of student and Institution	Designation	Title of Presentation
1	Sonam Drema Tukshipa, RGU	PhD Scholar	Insects as nutraceuticals: Perspective on antioxidant potentials of edible insects of Arunachal Pradesh.
2	Chihi Umbrey, RGU	PhD Scholar	The Genus <i>Nomia</i> Latreille, 1804 (Hymenoptera: Halictidae) from parts of Eastern Himalaya and Indo-Burma biodiversity Hotspots
3	Shumaila Bano, RGU	PhD Scholar	Emerging role of exosomes in arterial and renal calcification
4	Nyabin Riso, RGU	PhD Scholar	Distribution and diversity of honeybees and stingless bees in Arunachal Himalaya
5	N. Rawat, Delhi University	PhD Scholar	Understanding the Prevalence and Underlying Genetics of Antibiotic Resistance Emerging in Poultry Industry
6	Tanya Singh Jamia Hamdard University	PhD Scholar	Host Pathogen Interaction and Host Gene Expression to establish Human Protein-Protein Network
7	Taba Meth, RGU	PhD Scholar	Structure of the silk gland of Eri silkworm <i>Samia cynthia ricini</i> Boisd. And its secreted proteins
8	Ruby Taid, RGU	PhD Scholar	Forage plants of <i>Apis laboriosa</i> in Tawang district of Arunachal Pradesh and sugar content of floral nectar of selected species
9	Krishnakshi Misra , RGU	PhD Scholar	A computational approach for the characterization of phytoestrogenic

			compounds from <i>Dysoxylum alliarum</i> : A traditional medicinal plant of Arunachal Himalayan region
10	Bindarika Mukherjee , University of Burdwan	PhD Scholar	Phylogeny of <i>Harnischia</i> complex of Chironomini Newman (Diptera: Chironomidae)
11	Arpita Gope, Gour Banga University	PhD Scholar	The efficacy of synthesized silver nanoparticles from plant extracts against vector mosquitoes
12	Ananya Banerjee, Calcutta University	PhD Scholar	Altered microbiota-induced neurological disorders in mice chronically exposed to arsenic
13	Naira Nayab, Jai Prakash University	PhD Scholar	Function of a chitosan nanoparticle as a stimulator in inhancing resistance to prevent cold stress in banana plants.
14	Juicy Patir, RGU	PhD Scholar	Forage plants of the giant honey bee <i>Apis laboriosa</i> Smith in a captive condition outside their native habitat range and preference to the flowers
15	Anju Paul, RGU	M.Sc Sem III student	Molecular mechanisms of antibiotic resistances
16	Hassan Noor Ahmed Choudhary , RGU	M.Sc Sem III student	DNA barcoding
17	Himsikha Patowary, RGU	M.Sc Sem III student	Seahorse, in metabolic analysis platform
18	Robita Doley, RGU	M.Sc Sem III student	CRISPR: A Bacterial and Archeal Immune System Adapted for Eukaryotic Gene Editing

Certificate format

	<p>International Seminar on Molecular Approaches in Zoological Research February 24th, 2022 <i>Organised by</i> Department of Zoology, Rajiv Gandhi University, Arunachal Pradesh <i>On the occasion of Rajiv Gandhi University foundation month</i></p>		
	<p>This certificate is conferred to XXXXXXXXXXXXXXXXXX of Department of xxxxxxxx, xxxxxxxxx University for his/her oral presentation in this seminar.</p>		
<p>ORGANIZING SECRETARY Dr. Arnab Ghosh Assistant Professor Department of Zoology Rajiv Gandhi University</p>	<p>ORGANIZING SECRETARY Dr. Gunjan K Saurav Assistant Professor Department of Zoology Rajiv Gandhi University</p>	<p>CONVENOR Prof. D. N. Das Professor and Head Department of Zoology Rajiv Gandhi University</p>	<p>CHAIRPERSON Prof. S. Tangjang Dean, Faculty of Life Sciences Department of Botany Rajiv Gandhi University</p>

Budget Estimate

Sl. No.	Head	Amount
2.	Honorarium to Speaker 2 (Dr. Urmi Chatterjee)	2,000.00
3.	Honorarium to Speaker 3 (Dr. Shibnath Majumdar)	2,000.00
4.	Refreshments	1,000.00
5.	Logistics and Printing Charges	3,000.00
	Total	10,000 (Rupees ten thousand only)


Photo Gallery:


On the occasion of
Rajiv Gandhi University foundation month


75
Azadi Ka
Amrit Mahotsav

International Seminar on
Molecular Approaches in Zoological Research
February 24th, 2022
Organised by
Department of Zoology, Rajiv Gandhi University, Arunachal Pradesh

EMINENT SPEAKERS


Prof. Sushanta K. Banerjee
Department of Path. & Lab. Medicine
University of Kansas Medical Centre
Kansas City, Kansas, USA


Prof. Urmi Chatterji
Department of Zoology
University of Calcutta
Kolkata, India


Prof. Shibnath Mazumder
Faculty of Life Sciences and Biotechnology
South Asian University
New Delhi, India

PATRON
Prof. Amitava Mitra
Pro-Vice Chancellor
Rajiv Gandhi University

CHIEF PATRON
Prof. Saket Kushwaha
Hon'ble Vice-Chancellor
Rajiv Gandhi University

PATRON
Dr. N.T. Rikam
Registrar
Rajiv Gandhi University

CHAIRPERSON
Prof. S. Tangjang
Dean, Faculty of Life Sciences
Department of Botany
Rajiv Gandhi University

CONVENOR
Prof. D. N. Das
Professor and Head
Department of Zoology
Rajiv Gandhi University

ORGANIZING SECRETARY
Dr. Arnab Ghosh
Assistant Professor
Department of Zoology
Rajiv Gandhi University

ORGANIZING SECRETARY
Dr. Gunjan K Saurav
Assistant Professor
Department of Zoology
Rajiv Gandhi University

MEMBERS
Prof. Hirendra Nath Sarma
Prof. Jharna Chakraborty
Dr. Daniel Mize
Dr. Pankaj Kumar
Dr. Hiren Gogoi
Department of Zoology
Rajiv Gandhi University

Time: 9:30 AM
Link: meet.google.com/oic-qaea-zwi
Register at
<https://forms.gle/Fd1YL6PFjPFXwGK79>

CONTACTS. Email: MOLBIORGU@GMAIL.COM +91-9064847741 (AG) +91-9555868650 (GKS)

Fig.1: Seminar Flyer



Fig.2: Address by Registrar, RGU



Fig.3: Address by Pro-Vice Chancellor, RGU



Fig. 4: Address by Hon'ble Vice Chancellor, RGU

CCN5-Signaling in Tumor Microenvironment

02/24/2022

Sushanta K. Banerjee, Ph.D.
 Research Career Scientist, Veterans Affairs Medical Center, Research Director, Cancer Research Unit, VA Medical Center , Kansas City, MO

 Professor of Pathology and Laboratory Medicine, University of Kansas Medical Center, Kansas City, Kansas

Sushanta Banerjee

Fig.5: Prof. Sushanta K Banerjee. KUMC, KC, USA.(Resource Person)



Fig.6: Prof. Urmí Chatterji, CU, Kolkata, India. (Resource Person)

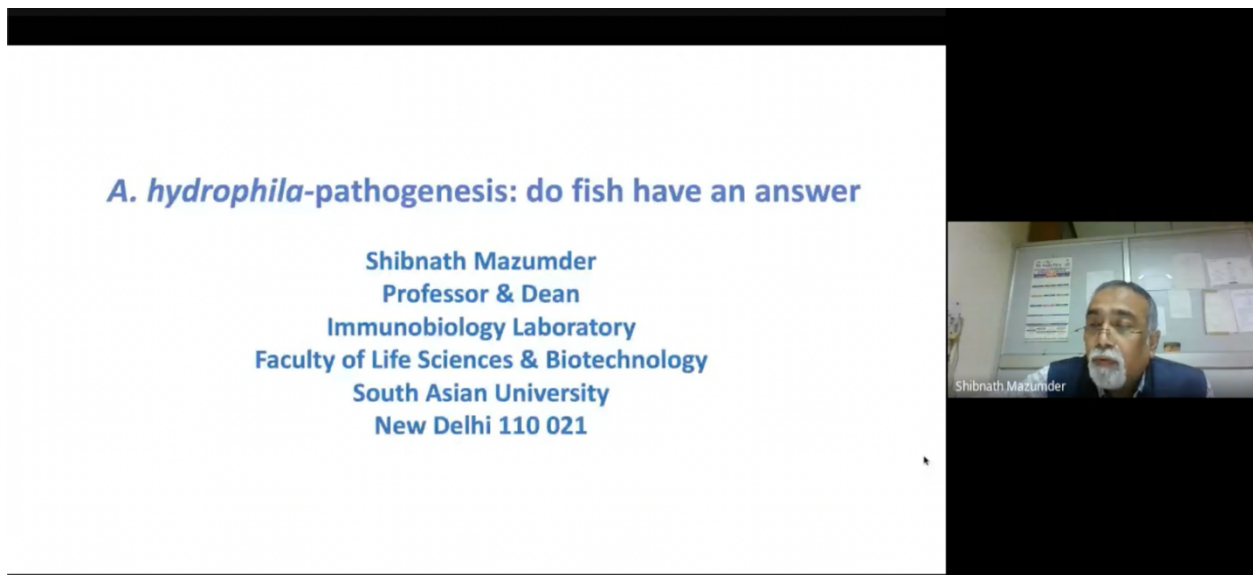


Fig.7: Prof. Shibnath Mazumder, SAU, New Delhi, India.(Resource Person)

Participants Attendance LOG

	First name	Last name	Duration	joined	Time exited
1	Sanjib	Das	5 min	2:48 PM	2:53 PM
2	Mansoor	Ahmad	37 min	9:54 AM	11:05 AM
3	Hage	Assung	2 hr 11 min	10:29 AM	3:45 PM
4	Bompu	Bagra	4 hr 45 min	9:26 AM	4:47 PM
5	Ananya	Banerjee	7 hr 27 min	9:33 AM	6:21 PM
6	Sushanta	Banerjee	2 hr 9 min	9:23 AM	11:32 AM
7	PARAMITA	BANERJEE	4 hr 32 min	11:00 AM	3:50 PM
8	Shumaila	Bano	7 hr 31 min	9:47 AM	6:27 PM
9	Karishma	Baruah	8 hr 20 min	9:30 AM	6:22 PM
10	Pompi	Bhadra	6 hr 43 min	10:04 AM	6:21 PM
11	Anuran	Bhattacharya	27 min	2:56 PM	3:24 PM
12	Rohit	Biswakarma	5 hr 24 min	10:34 AM	5:54 PM
13	Kaushik	Borah	5 hr 46 min	9:28 AM	4:24 PM
14	Prastuti	Borah	8 hr 1 min	9:25 AM	6:21 PM
15	Lwithwma	Brahma	7 hr 50 min	9:30 AM	6:21 PM
16	Manaswini	Buragohain	16 min	9:32 AM	10:20 AM
17	Annu	Burang	5 hr 34 min	9:27 AM	4:31 PM
18	Ankita	Chakraborty	12 min	9:33 AM	9:45 AM
19	Vice	Chancellor	43 min	9:39 AM	10:22 AM
20	moytrej	chatterjee	8 hr 2 min	9:29 AM	6:16 PM
21	Ranodeep John	Chatterjee	11 min	3:18 PM	3:29 PM
22	DR CHANDRANATH	CHATTERJEE	7 hr 15 min	9:59 AM	6:21 PM
23	Urmi	Chatterji	2 hr 46 min	9:31 AM	4:26 PM
24	Dr. Luk Bahadur	Chetry	4 hr 37 min	9:30 AM	4:01 PM
25	Pema	Choki komu	2 hr 18 min	9:31 AM	11:50 AM
26	Hassan	Choudhary	3 hr 57 min	9:25 AM	5:53 PM
27	S	D	5 hr 2 min	9:41 AM	4:03 PM
28	Bina	dahal	6 hr 36 min	9:35 AM	6:00 PM
29	Bibhuti	Das	32 min	9:13 AM	9:45 AM
30	D.N.	Das	1 hr 37 min	9:28 AM	5:09 PM
31	astami	Dax	3 hr 27 min	9:56 AM	1:44 PM
32	sonam	Doima	21 min	9:23 AM	4:33 PM
33	Robita	Doley	7 hr 47 min	9:30 AM	6:21 PM
34	Rita	Dorsom	4 hr 48 min	9:33 AM	3:37 PM
35	Sudakshina	Dutta	7 hr 39 min	9:30 AM	6:03 PM
36	Dorjee Phurba	Eru	6 hr 38 min	9:25 AM	6:00 PM
37	Jumpi	Ete Rolo	7 hr 58 min	9:31 AM	6:21 PM
38	RGU	Events	9 hr 4 min	8:54 AM	6:27 PM
39	jennu	fans	37 min	9:26 AM	10:03 AM
40	Takpi	Gameh	3 hr 28 min	9:29 AM	12:57 PM
41	Gambi	Gamlin	4 hr 57 min	9:32 AM	5:49 PM
42	Madak	Gamnu	6 hr 34 min	9:31 AM	5:52 PM
43	sudeshna	ghosal	3 hr	12:14 PM	6:21 PM
44	Atanu	Ghosh	1 hr 33 min	9:54 AM	5:37 PM
45	Subhra	Ghosh	31 min	5:51 PM	6:22 PM
46	Arpita	Gope	7 hr 30 min	8:55 AM	6:21 PM
47	Aziz	Hussain	7 hr 58 min	9:25 AM	6:21 PM
48	Kim jacintha	Jacintha	17 min	4:50 PM	5:07 PM

49	Palash	J C	7 hr 2 min	9:36 AM	5:47 PM
50	taba	jirpu	5 hr 20 min	9:30 AM	6:21 PM
51	pitam	jomoh	3 hr 54 min	9:32 AM	6:21 PM
52	Tanmita	Kakati	7 hr 53 min	9:28 AM	6:21 PM
53	Oman	Kambu	6 hr 59 min	9:26 AM	6:21 PM
54	Yompi	Karlo	5 hr 39 min	9:36 AM	6:21 PM
55	Swagata	Karmakar	8 hr 17 min	9:31 AM	6:26 PM
56	Gamong	Khasan	7 hr 55 min	9:29 AM	6:21 PM
57	Nang	Khatina	3 min	9:32 AM	9:35 AM
58	Nongdam	Khimhun	5 hr 36 min	9:28 AM	5:25 PM
59	Tuliam	Khoiyang	7 hr 52 min	9:30 AM	6:21 PM
60	hage	konya	6 hr 3 min	9:45 AM	6:21 PM
61	Amil	Kujur	1 hr 50 min	9:19 AM	11:09 AM
62	Manmohan	Kumar	1 hr 13 min	10:08 AM	11:23 AM
63	monika	kumari	24 min	9:58 AM	10:22 AM
64	Shashi	Labh	6 hr 29 min	9:35 AM	6:26 PM
65	Dr. Neeta	Lal	5 hr 55 min	9:23 AM	3:19 PM
66	Cassy	Limmo	10 min	9:44 AM	9:53 AM
67	Minerva	Lollen	4 hr 6 min	9:22 AM	1:28 PM
68	Renu	Loyi	3 hr 17 min	9:35 AM	5:20 PM
69	Bung	Mairembam	3 hr 2 min	10:48 AM	4:07 PM
70	Uttaran	Majumdar	5 hr 50 min	9:31 AM	6:22 PM
71	Shibnath	Mazumder	2 hr 5 min	11:23 AM	4:19 PM
72	taba	meth	7 hr 16 min	9:20 AM	6:21 PM
73	Nancy	mihu	57 min	9:26 AM	10:23 AM
74	Krishnakshi	Misra	8 hr 9 min	9:35 AM	6:21 PM
75	Gerap	Miyu	7 hr 42 min	9:35 AM	6:21 PM
76	Daniel	Mize	2 hr 11 min	9:27 AM	6:00 PM
77	Minbhai	Mize	5 hr	9:27 AM	5:12 PM
78	Nangki	Mize	2 hr 15 min	9:37 AM	1:54 PM
79	Khummon	Mossang	6 hr 22 min	9:32 AM	6:21 PM
80	Minam	Moyong	5 hr 9 min	9:25 AM	5:04 PM
81	Bindarika	Mukherjee	8 hr 39 min	9:18 AM	6:14 PM
82	Nending	Muni	7 hr 44 min	9:18 AM	5:08 PM
83	Nil	N	4 hr 2 min	9:31 AM	4:59 PM
84	Naira	Nayab	9 hr 12 min	9:06 AM	6:22 PM
85	Otok	Nopi	6 hr 19 min	9:31 AM	4:45 PM
86	Arjun	Pal	14 min	10:33 AM	10:47 AM
87	Gouri Sankar	Pal	7 hr	9:20 AM	5:11 PM
88	Anjuman	Panyang	7 hr 43 min	9:31 AM	6:21 PM
89	Osunam	Paron	7 hr 54 min	9:29 AM	6:26 PM
90	Kasunam	Pasing	7 hr 22 min	9:54 AM	6:21 PM
91	Juicy	Patir	6 hr 14 min	9:40 AM	6:22 PM
92	Himsikha	Patowary	5 hr 36 min	9:29 AM	6:22 PM
93	Anju	Paul	6 hr 53 min	9:28 AM	6:21 PM
94	Kunal	Pramanik	6 min	2:57 PM	3:04 PM
95	Anjali	Rawani	5 hr 43 min	9:44 AM	5:05 PM
96	Nitish	Rawat	8 hr 53 min	9:18 AM	6:21 PM
97	Gomnu	Rida	4 hr 2 min	10:52 AM	4:15 PM
98	Gepi	Rime	4 hr 38 min	9:33 AM	4:01 PM
99	Nyabin	Riso	7 hr 57 min	9:34 AM	6:19 PM
100	Jashmi	Ronrang	7 hr 15 min	9:33 AM	6:21 PM

101	Kaushtovmoni	saikia	2 hr 49 min	9:26 AM	12:43 PM
102	Kabak	Sanjay	12 min	9:30 AM	9:41 AM
103	ANKITA	SARKAR	2 hr 37 min	9:39 AM	1:52 PM
104	Dr. Rabindranath	Sarma	1 hr 31 min	9:10 AM	10:48 AM
105	RABIN	SARMA	4 hr 20 min	10:48 AM	3:45 PM
106	sonu	singh	7 hr 40 min	9:29 AM	6:21 PM
107	Maria	Siram	2 hr 13 min	9:32 AM	3:23 PM
108	Mepung	Sonam	2 hr 3 min	11:26 AM	1:28 PM
109	Jems	Sopung	1 hr 35 min	10:13 AM	3:04 PM
110	betul	sudharm	7 hr 15 min	9:39 AM	5:53 PM
111	Nati	Taba	9 min	10:06 AM	3:41 PM
112	Mana	Tage	7 hr 43 min	9:29 AM	6:21 PM
113	Ruby	Taid	7 hr 20 min	9:34 AM	6:22 PM
114	Api	Talom	7 hr	9:31 AM	5:53 PM
115	Tapak	Tamir	7 hr 6 min	9:39 AM	5:10 PM
116	Kabita	Tamuli	7 hr 3 min	9:27 AM	6:11 PM
117	sumpam	Tangjang	48 min	9:35 AM	10:23 AM
118	Pumin	Tao	7 hr 47 min	9:30 AM	6:21 PM
119	Komling	Tayeng	22 min	9:59 AM	10:22 AM
120	Mizzy	Tayu	6 hr 41 min	9:19 AM	5:05 PM
121	Rupesh	Thapa	4 hr 15 min	9:39 AM	5:33 PM
122	Dr. Nawaz	Thouba	3 hr 46 min	11:29 AM	6:22 PM
123	Sonam Drema	Tukshipa	8 hr 18 min	9:57 AM	6:22 PM
124	Hage	Tunya	7 hr 41 min	9:27 AM	6:09 PM
125	Chihi	umbrey	7 hr 14 min	9:29 AM	6:21 PM
126	Nonlee	Wangsa	4 hr 8 min	9:29 AM	5:16 PM
127	Lune	Yirang	7 hr 34 min	9:31 AM	6:21 PM
128	TAMAR	YORCHI	4 hr 24 min	10:19 AM	5:15 PM

List of Registered Candidates

Sl. No.	Timestamp	Name	Institution	Department	Designation
1	02/08/22 0:11	Hassan Noor Ahmed Choudhary	Rajiv Gandhi University	Zoology	M.Sc Student
2	02/08/22 0:11	TAMAR YORCHI	Rajiv Gandhi University	Zoology	M.Sc Student
3	02/08/22 0:11	KHUMMON MOSSANG	Rajiv Gandhi University	Zoology	M.Sc Student
4	02/08/22 0:12	TAMAR YORCHI	Rajiv Gandhi University	Zoology	M.Sc Student
5	02/08/22 0:12	Minbhai Mize	Rajiv Gandhi University	ZOOLOGY	M.Sc Student
6	02/08/22 0:13	Kasunam pasing	Rajiv Gandhi University	Zoology	M.Sc Student
7	02/08/22 0:14	Kabita Tamuli	Rajiv Gandhi University	Zoology	M.Sc Student
8	02/08/22 0:36	Kabita Tamuli	Rajiv Gandhi University	Zoology	M.Sc Student
9	02/08/22 7:48	Api Talom	Rajiv Gandhi University	Zoology	M.Sc Student
10	02/08/22 8:19	PRASTUTI BORAH	Rajiv Gandhi University	Zoology	M.Sc Student
11	02/08/22 8:21	Madak Gamnu	Rajiv Gandhi University	Zoology	M.Sc Student
12	02/08/22 9:05	Pumin Tao	Rajiv Gandhi University	Zoology	M.Sc Student
13	02/08/22 9:15	Jashmi Ronrang	Rajiv Gandhi University	MSC ZOOLOGY	M.Sc Student
14	02/08/22 9:20	Tuliam Khoiyang	Rajiv Gandhi University	Zoology	M.Sc Student
15	02/08/22 9:28	Mana tage	Rajiv Gandhi University	Zoology	M.Sc Student
16	02/08/22 10:20	Himshikha Patowary	Rajiv Gandhi University	Zoology	M.Sc Student
17	02/08/22 10:20	KAUSHIK BORAH	Rajiv Gandhi University	Zoology	M.Sc Student
18	02/08/22 10:38	Ankita Chakraborty	Kazi Nazrul University	Animal Science	M.Sc Student
19	02/08/22 11:44	AJIT KUMAR JANA	Kazi Nazrul University	Animal Science	M.Sc Student
20	02/08/22 11:53	Chunam Aniyam	Rajiv Gandhi University	Botany	M.Sc Student
21	02/08/22 12:01	FARIDA BEGUM	Rajiv Gandhi University	Botany	M.Sc Student
22	02/08/22 12:07	Tanya Singh	Jamia Hamdard University	Biotechnology	M.Sc Student
23	02/08/22 12:15	TABA JIRPU	Rajiv Gandhi University	ZOOLOGY	M.Sc Student
24	02/08/22 12:54	TURANJYOTI BARUAH	Rajiv Gandhi University	Botany	M.Sc Student
25	02/08/22 13:11	Karishma Baruah	Rajiv Gandhi University.	Zoology	M.Sc Student
26	02/08/22 13:47	Gerap Miyu	Rajiv Gandhi University	Zoology	M.Sc Student
27	02/08/22 15:30	Astomi Das	Rajiv Gandhi University	Zoology	M.Sc Student
28	02/08/22 16:33	Osunam Paron	Rajiv Gandhi University	Zoology	M.Sc Student
29	02/08/22 17:36	KAUSHTOVMONI SAIKIA	Rajiv Gandhi University	Zoology	M.Sc Student
30	02/08/22 19:47	Lune yirang	Rajiv Gandhi University	Zoology	M.Sc Student
31	02/08/22 20:36	Sonu Singh	Rajiv Gandhi University	Zoology	M.Sc Student
32	02/08/22 21:15	Yompi Karlo	Rajiv Gandhi University	Zoology	M.Sc Student
33	02/09/22 8:26	Gambi Gamlin	Rajiv Gandhi University	Zoology	M.Sc Student
34	02/09/22 8:42	Manaswini Buragohain	Rajiv Gandhi University	Botany	M.Sc Student
35	02/09/22 8:50	Rishita Sarma	Rajiv Gandhi University	Botany	M.Sc Student
36	02/09/22 9:14	Anjuman Panyang	Rajiv Gandhi University	Zoology	M.Sc Student
37	02/09/22 9:18	Alindita Choudhury	Rajiv Gandhi University	Botany	M.Sc Student
38	02/09/22 9:28	TANMITA KAKATI	Rajiv Gandhi University	Zoology	M.Sc Student
39	02/09/22 9:29	Lwithwma Brahma	Rajiv Gandhi University	Zoology	M.Sc Student
40	02/09/22 9:31	AZIZ HUSSAIN	Rajiv Gandhi University	Zoology	M.Sc Student
41	02/09/22 9:35	Jumpi Ete	Rajiv Gandhi University	Zoology	M.Sc Student
42	02/09/22 9:36	AZIZ HUSSAIN	Rajiv Gandhi University	Zoology	M.Sc Student
43	02/09/22 10:40	Palash Jyoti Chaliha	Rajiv Gandhi University	Zoology	M.Sc Student
44	02/09/22 10:47	Gambi Gamlin	Rajiv Gandhi University	Zoology	M.Sc Student
45	02/09/22 11:18	Dorjee Phurba Eru	Rajiv Gandhi University	Zoology	M.Sc Student
46	02/09/22 11:40	Gerap Miyu	Rajiv Gandhi University	Zoology	M.Sc Student
47	02/09/22 11:42	Madak Gamnu	Rajiv Gandhi University	Zoology	M.Sc Student
48	02/09/22 14:54	Lwithwma Brhama	Rajiv Gandhi University	Zoology	M.Sc Student
49	02/09/22 14:56	Osunam Paron	Rajiv Gandhi University	Zoology	M.Sc Student
50	02/09/22 15:00	TANMITA KAKATI	Rajiv Gandhi University	Zoology	M.Sc Student
51	02/09/22 15:09	Gomnu Rida	Rajiv Gandhi University	Zoology	M.Sc Student
52	02/09/22 15:15	Prastuti Borah	Rajiv Gandhi University	Zoology	M.Sc Student
53	02/09/22 15:55	KHUMMON MOSSANG	Rajiv Gandhi University	Zoology	M.Sc Student
54	02/09/22 16:09	Kabita Tamuli	Rajiv Gandhi University	Zoology	M.Sc Student
55	02/09/22 16:11	KHUMMON MOSSANG	Rajiv Gandhi University	Zoology	M.Sc Student
56	02/09/22 16:49	Gerap Miyu	Rajiv Gandhi University	Zoology	M.Sc Student
57	02/09/22 20:24	Hassan Noor Ahmed Choudhary	Rajiv Gandhi University	Zoology	M.Sc Student
58	02/09/22 20:52	Rita dorsom	Rajiv Gandhi University	Zoology	M.Sc Student
59	02/10/22 7:10	Mana Tage	Rajiv Gandhi University	Zoology	M.Sc Student
60	02/10/22 10:02	TONGCHEN JOMBA. MKB	Rajiv Gandhi University	ZOOLOGY	Ph.D. Student

61	02/10/22 10:03	Inda Mihu.	Rajiv Gandhi University	Botany	Ph.D. Student
62	02/10/22 10:03	Manmohan Kumar	Rajiv Gandhi University	Zoology	Ph.D. Student
63	02/10/22 10:05	Dr. Nilanjana Basu	Rajiv Gandhi University	AIMMSC	Ph.D. Student
64	02/10/22 10:05	Tapak Tamir Mize sir	Rajiv Gandhi University	Zoology	Ph.D. Student
65	02/10/22 10:06	Taba Meth	Rajiv Gandhi University	Zoology	Ph.D. Student
66	02/10/22 10:19	Tapak Tamir	Rajiv Gandhi University	Zoology	Ph.D. Student
67	02/10/22 11:48	ROHIT BISWAKARMA	Rajiv Gandhi University	Zoology	Ph.D. Student
68	02/10/22 12:14	Rohit Biswakarma	Rajiv Gandhi University	Zoology	M.Sc Student
69	02/10/22 14:15	Nitish Rawat	University of Delhi	Zoology	Ph.D. Student
70	02/10/22 14:24	taba meth	Rajiv Gandhi university	Zoology	Ph.D. Student
71	02/10/22 17:00	Rohit Biswakarma	Rajiv Gandhi University	Zoology	M.Sc Student
72	02/10/22 21:57	Otok nopi	Rajiv Gandhi University	Zoology	M.Sc Student
73	02/10/22 22:23	Sudakshina Dutta	Rajiv Gandhi University	Zoology	M.Sc Student
74	02/11/22 7:28	Tarh Yake	Rajiv Gandhi University	Department of Zoology	M.Sc Student
75	02/11/22 10:24	Sushant Kumar Nayak	Rajiv Gandhi University	Education	Faculty
76	02/11/22 11:23	Gamong Khasan Singpho. Mize sir	Rajiv Gandhi University	Zoology	Ph.D. Student
77	02/11/22 14:13	Nati Taba PK Sir	Rajiv Gandhi University	Zoology	Ph.D. Student
78	02/11/22 15:32	Pura Yashung JC	Rajiv Gandhi University	Zoology	Ph.D. Student
79	02/11/22 15:42	GEPI RIME DN DAS	Rajiv Gandhi University	Zoology	Ph.D. Student
80	02/11/22 15:46	Renu Loyi DN Das	Rajiv Gandhi University	Zoology	Ph.D. Student
81	02/11/22 15:53	Hage Assung MKB	Rajiv Gandhi University	Zoology	Ph.D. Student
82	02/11/22 15:54	Nangki Mize	Rajiv Gandhi University	Zoology	M.Sc Student
83	02/11/22 16:31	Ankita Sarkar	The University of Burdwan	Zoology	Ph.D. Student
84	02/12/22 21:17	Arathi Radhakrishnan	Amity University, Noida, U.P.	Amity Institute of Biotechnology	Ph.D. Student
85	02/12/22 21:20	RANKITA BORAH	Rajiv Gandhi University	Botany	M.Sc Student
86	2/13/2022 12:08:40	MAIREMBAM STELIN SINGH	jamia hamdard	biochemistry	Ph.D. Student
87	2/13/2022 22:13:19	Arjun Pal	The University of Burdwan	Zoology	Ph.D. Student
88	2/13/2022 22:39:16	PARAMITA BANERJEE	THE UNIVERSITY OF BURDWAN	ZOOLOGY	Ph.D. Student
89	2/13/2022 22:43:00	Sanjib Das	University of Kalyani	Mol. Bio and Biotechnology	Ph.D. Student
90	2/14/2022 13:02:17	Otok nopi	Rgu	Zoology	M.Sc Student
91	2/14/2022 16:19:43	Miss. Krishnakshi Misra	Rajiv Gandhi University, Arunachal Pradesh	Department of Zoology	Ph.D. Student
92	2/14/2022 16:47:06	Sanjib Kumar Das	National Institute of Technology, Arunachal Pradesh	Department of Biotechnology	Ph.D. Student
93	2/14/2022 21:04:22	Ananya Banerjee	University of Calcutta	Department of Zoology	Ph.D. Student
94	2/14/2022 21:20:40	Abhishek Choudhury	University of Calcutta	Department of Zoology	Ph.D. Student
95	2/15/2022 1:42:20	Rupesh Thapa	The University of Burdwan	Department of Zoology	Ph.D. Student
96	2/15/2022 8:13:52	SONAM DOIMA	Rajiv Gandhi University	ZOOLOGY	Ph.D. Student
97	2/15/2022 10:48:41	Elisha Hansdak	Pg department of zoology	Zoology	Ph.D. Student
98	2/15/2022 11:19:32	Dolly kumari	PG department of zoology	Zoology	Ph.D. Student
99	2/15/2022 11:55:11	Monika kumari	Pg department ranchi university	Zoology	Ph.D. Student
100	2/15/2022 12:02:10	Monika kumari	Pg Department of zoology	Zoology	Ph.D. Student
101	2/15/2022 12:45:10	NAIRA NAYAB	Jai Prakash University	Department of Botany	Ph.D. Student
102	2/15/2022 13:19:29	SHUMAILA BANO	Amity University, Noida	Medical Biotech	Ph.D. Student
103	2/15/2022 17:05:36	Sonam Drema	Rajiv Gandhi University	ZOOLOGY	Ph.D. Student
104	2/15/2022 18:37:45	Nending Muni	Rajiv Gandhi University	Zoology	Ph.D. Student
105	2/15/2022 18:44:58	Robita Doley	Rajiv Gandhi University	Zoology	M.Sc Student
106	2/15/2022 23:01:55	CHIHU UMBREY	Rajiv Gandhi University	Department of Zoology	Ph.D. Student
107	2/16/2022 9:32:37	BINDARIKA MUKHERJEE	THE UNIVERSITY OF BURDWAN	ZOOLOGY	Ph.D. Student
108	2/16/2022 13:38:45	JUICY PATIR	Rajiv Gandhi University	ZOOLOGY	M.Sc Student
109	2/17/2022 11:01:08	Ruby Taid	Rajiv Gandhi University	Zoology	Ph.D. Student
110	2/17/2022 16:46:38	Surajit Kar	The University of Burdwan	Zoology	Ph.D. Student
111	2/20/2022 15:05:24	ANJU PAUL	Rajiv Gandhi University	ZOOLOGY	M.Sc Student
112	2/20/2022 15:54:38	NAIRA NAYAB	Jai Prakash University	Department of	Ph.D. Student

				Botany	
113	2/20/2022 16:30:24	Nyabin Riso	Rajiv Gandhi University	Zoology	Ph.D. Student
114	2/20/2022 18:21:39	Gouri Sankar Pal	THE UNIVERSITY OF BURDWAN	Zoology	Ph.D. Student
115	2/21/2022 9:48:47	Oman Kambu	Rajiv Gandhi University, Doimukh	Zoology	M.Sc Student
116	2/23/2022 16:18:54	ANJU PAUL	Rajiv Gandhi University	Zoology	M.Sc Student
117	2/23/2022 21:05:21	Krishnakshi Misra	Rajiv Gandhi University	Department of Zoology	Ph.D. Student
118	2/23/2022 23:16:13	NYABIN RISO	Rajiv Gandhi University	Zoology	Ph.D. Student
119	2/23/2022 23:16:37	Nending Muni	Rajiv Gandhi University	Zoology	Ph.D. Student
120	2/24/2022 12:58:21	Gouri Sankar Pal	Rajiv Gandhi University	Zoology	Ph.D. Student
121	2/24/2022 14:51:38	GEPI RIME	Rajiv Gandhi University	ZOOLOGY	Ph.D. Student
122	2/24/2022 14:51:54	Mijee Tayu	Rajiv Gandhi University	Zoology	Ph.D. Student
123	2/24/2022 14:51:54	Rupesh Thapa	The University of Burdwan	Department of Zoology	Ph.D. Student
124	2/24/2022 14:52:08	Sonam Doima	Rajiv Gandhi University	Department of Zoology	Ph.D. Student
125	2/24/2022 14:52:19	Mijee Tayu	Rajiv Gandhi University	Zoology	Ph.D. Student
126	2/24/2022 14:52:24	Nending Muni	Rajiv Gandhi University	Zoology	Ph.D. Student
127	2/24/2022 14:52:24	Gamong Khasan Singpho	Rajiv Gandhi University	Zoology	Ph.D. Student
128	2/24/2022 14:52:25	Amil Kujur	Don Bosco College, Jollang - Itanagar	AITS	Ph.D. Student
129	2/24/2022 14:52:29	BETUL SUDHARM	PG UNIVERSITY DEPARTMENT OF ZOOLOGY,RANCHI UNIVERSITY, RANCHI	Zoology	Ph.D. Student
130	2/24/2022 14:52:40	Dr.M. Nawaz Khan	Rajiv Gandhi University	Mass Communication	Faculty
131	2/24/2022 14:52:53	Dr. Rabindranath Sarma	Central University of Jharkhand	Tribal Studies	Faculty
132	2/24/2022 14:52:53	Dr Jagannath Chattopadhyay	Sarat Centenary College, Dhaniakhali, Hooghly-712302	Zoology	Faculty
133	2/24/2022 14:52:54	Uttaran Majumdar	Hooghly Women's College	Zoology	Faculty
134	2/24/2022 14:53:10	DR. NIRMALYA DAS	Nabadwip Vidyasagar College	Zoology	Faculty
135	2/24/2022 14:53:24	Dr Nayan Roy	MUC Women's College, Burdwan	Zoology	Faculty
136	2/24/2022 14:53:40	Dr. Moytrej Chatterjee	Kazi Nazrul University	Animal science	Faculty
137	2/24/2022 14:54:13	Sudeshna Ghoshal	Vijaygarh Jyotish Ray College	Zoology	Faculty
138	2/24/2022 14:54:19	Dr Rashmi Rekha Saikia	J.B.College (Autonomous)	Zoology	Faculty
139	2/24/2022 14:54:31	Dr. P R Vani	Dr. V. S. Krishna Government Degree College (A)	Department of Zoology	Faculty
140	2/24/2022 14:54:38	Dr. T. Samuel David Raj	Dr. V. S. Krishna Government Degree College (A)	Department of Zoology	Faculty
141	2/24/2022 14:55:24	Anjali Rawani	University of Gour Banga	Zoology	Faculty
142	2/24/2022 14:56:05	Luk Bahadur Chetry	Jagannath Barooah College (Autonomous), Jorhat, Assam	Department of Zoology	Faculty
143	2/24/2022 14:57:15	Dr. Chandranath Chatterjee	Bankura Christian College	Zoology	Faculty
144	2/24/2022 14:58:03	Dr Neeta lal	PG DEPARTMENT OF ZOOLOGY	ZOOLOGY	Faculty
145	2/24/2022 14:58:36	Arti Kumari	Bhupendra Narayan Mandal University, Madhepura, Bihar	Zoology	Ph.D. Student
146	2/24/2022 15:04:51	Mijee Tayu	Rajiv Gandhi University	Zoology	Ph.D. Student
147	2/24/2022 15:04:41	Arpita Gope	University of Gour Banga,Malda	Zoology	Ph.D. Student
148	2/24/2022 15:05:54	ATANU GHOSH	BCDPHS	Biology	Faculty
149	2/24/2022 15:07:30	Shashi Kant Labh	Lalit Narayan Mithila University Kameshwara Nagar Darbhanga	Department of Zoology	Ph.D. Student
150	2/24/2022 15:09:19	Arti Kumari	Bhupendra Narayan Mandal University, Madhepura, Bihar	Zoology	Ph.D. Student
151	2/24/2022 15:10:28	Dr Sanjib Borah	Lakhimpur College of Veterinary Scienc	DVeterinary Physiology	Faculty
152	2/24/2022 15:14:02	Dr. Chandranath Chatterjee	Bankura Christian College	Zoology	Faculty
153	2/24/2022 15:15:00	Uttaran Majumdar	Hooghly Women's College	Zoology	Faculty
154	2/24/2022 15:19:27	Dr. Luk Bahadur Chetry	Jagannath Barooah College	Department of	Faculty

			(Autonomous), Jorhat, Assam	Zoology	
155	2/24/2022 15:34:20	Dr. Swagata Karmakar	Ram Lal Anand College, University of Delhi	Environmental Studies	Faculty