

# Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

A premier higher education linguistic minority institutes run by Sindhi Hindi Vidya Samiti



## Research and Development cell

### *Scientific talk on Research in Life sciences*

**Topic:- “Central Regulation of Reproduction in Mammals”**

**Key note speaker:- Dr. Praful Singru, NISER, Bhubaneswar**

**Date: 19<sup>th</sup> October 2022**

**Venue: Botany Laboratory**

Department of Zoology and Research and Development cell has organized a scientific talk for Post graduate and under graduate students to facilitate the new research horizon and to inculcate research temperament. Dr. Praful Singru, Associate professor, Biological Sciences, NISER, Bhubaneswar has delivered a talk on “Central regulation of reproduction in Mammals” on 19<sup>th</sup> October 2022. He has enlightened the students with basic concept of hormonal and neuropeptide regulation during reproductive phases in mammals and throw a focus on preoptic area and GnRH neuron working processes. He has carried regulation methods and observed that in contrast to mammals, birds have higher basal metabolic rate and undertake wide range of energy-demanding activities. As a consequence, food deprivation to birds, even for a short-period, poses major energy challenge. The energy-regulating hypothalamic homeostatic mechanisms, although extensively studied in mammals, are far from clear in the case of birds. We focus on the interplay between neuropeptide Y (NPY) and thyrotropin-releasing hormone (TRH), two of the most important hypothalamic signaling agents, in modulating the energy balance in a bird model, zebra finch, *Taeniopygia guttata*. TRH neurons were confined to a few nuclei in the preoptic area and hypothalamus, and fibers widely distributed. Majority of TRH neurons in the hypothalamic paraventricular nucleus (PVN) whose axons terminate in median eminence were contacted by NPY-containing axons. Dr. Yogesh Bhute was introduce and welcome Dr. Singru. About 62 students of PG and UG were preset for this lecture.

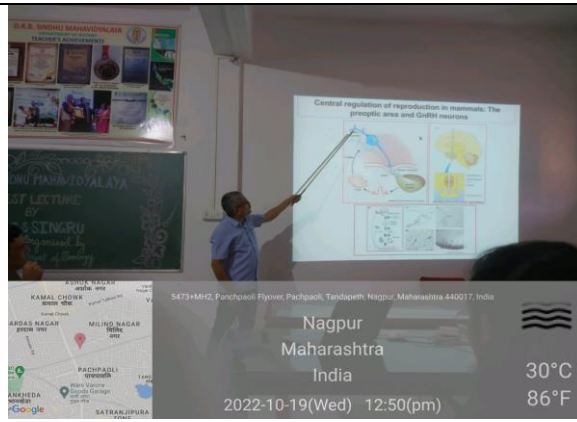
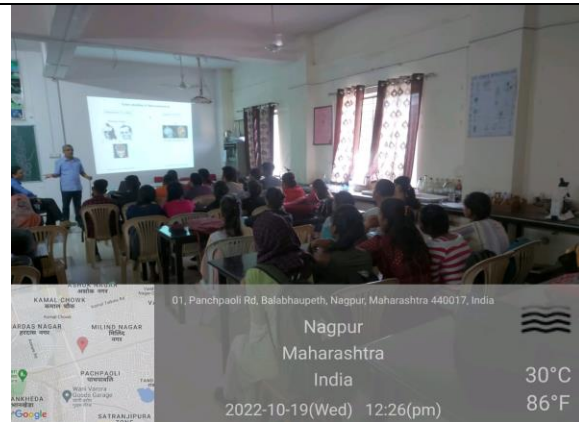


  
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Dada Ramchand Bakhru  
Sindhu Mahavidyalaya, Nagpur-17



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Dr. Singru expresses his views on central regulation on reproduction in mammals



  
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Samiti



Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur

Research and Development cell

Event: - Scientific talk on Research in Life Science

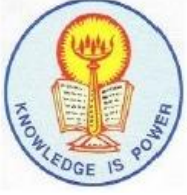
Venue: - Botany lab

Date: - 19/10/22

Sr. No.	Name of student	Sign
1	Tayyaba Firdous	Tayyaba
2	Jyoti Tabassum	Jyoti
3	Ruchi Kaware	R.Kaware
4	Aaliya Pareen	Aaliya
5	Tushar Nimje	Tushar
6	Shaziyah Anjum	Shaziyah
7	NEHA WANKAR	Neha
8	Nancy Bansod	Nancy
9	SWAYAM SHAMBHARKAR	Swayam
10	Nida Tabassum	Nida
11	Aabeela	Aabeela
12	Himanshu Dhakate	HD
13	Tasmia Jalees	Tasmia
14	Ummalqura Ansari	Ummi
15	Tiya Malik	Tiya
16	Prajwal Jadhav	Jadhav
17	Shama Sayyad	Shama
18	Sarwar Malik	Sarwar
19	Sivapnil Dengre	Sivapnil
20	Prakash Shetty	Prakash
21	Gaun Chichmalkar	Chichmalkar
22	Prajwal Jadhav	Prajwal
23	Kshiti Deshmukh	Kshiti
24	Rashni Chawla	Rashni
25	Sumedha Jomare	Sumedha
26	Neha Sontikke	Neha
27	Chandrashekar Satpute	Chandrashekar
28	Aniba Jabassum	Aniba
29	Swejal Parthi	Swejal
30	Janhvi Ninave	Janhvi
31	Sakshi Parthi	Sakshi



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Research and Development cell

Event: - Scientific talk on Research in life science

Venue: - Botany lab

Date: - 22/10/22

Sr. No.	Name of student	Sign
1.	Saket Dinesh Khandekar	Saket
2	sakshi Dongre	Sakshi
3	Apetsha Dhote	Apetsha
4	Mohammad K. Sheikh	M. Sheikh
5	Saba Parveen Ansari	Saba
6	Nida Sabar	Nida
7	Mansi Mandeshwar	Mansi
8	Zeba mahwash	Zeba
9	Smrita sukhlade	Smrita
10	Tanzila Sheikh.	Tanzila
11	yash kanjya	yash
12	Pitika Mahate	Pitika
13	Sujaya Firdous Ansari	Sujaya
14	Satakshi Fak	Satakshi
15	Umme Ayesha	Umme
16	Umma Habiba	Umma
17	Sakshi Choube	Sakshi
18	Sumedha Lonare	Sumedha
19	Kshiti Deshbhantar	Kshiti
20	Moin Sheikh	Moin
21	Tajam Faris Ali	Tajam
22	Shafique Naaz	Shafique
23	Geetika Lonare	Geetika
24	Shubho Sulekha	Shubho
25	Madhika Durg	Madhika
26	Arhamia Sadaf	Arhamia
27	Ash Siddiqu	Ash
28	Roshni Jambhulkar	Roshni
29	Yasmin	Yasmin
30	Kandish Kumbhakar	Kandish
31	Shayreen Shaikh	Shayreen



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