

Curriculum-vitae

Name: **Dr. Kaveri Chakrabarty**

Father's Name : **Dr A.S. Chakrabarty**

Mother's Name: **Late Dr (Mrs) Krishna Chakrabarty**



EDUCATIONAL QUALIFICATIONS

- **B.Sc. (Honours) Zoology** -University of Delhi. Division-I
- **M.Sc. (Zoology)**-Department of Zoology,University of Delhi. Division-I
- **Ph.D. (Physiology)**-- Faculty of Medical Sciences, University of Delhi, 2004

Title of thesis: Effect of Simulated High Altitude Exposure on Airway Smooth Muscle Activity

NET-JRF

- Qualified Joint **C.S.I.R-Junior Research Fellowship (JRF) and eligibility for lectureship – National Eligibility Test (NET)** (held in June 2000).

ACADEMIC DISTINCTIONS:

- Textbook-“**Textbook of Nutrition in Health and Disease**” **Kaveri Chakrabarty** and A.S. Chakrabarty Published by Springer Nature Singapore Pte Ltd, 2019.
- Book -“**Fundamentals of Respiratory Physiology**” A.S. Chakrabarty and **Kaveri Chakrabarty** Published by I.K. International Publishing House Ltd, 2006.
- Regular Member of **American Physiological Society (APS)**.
- **Invited as Guest Speaker** in Women in Science **STEM** Series in the Department of Biological Sciences, **Winston Salem State University, North Carolina, USA**. 1st May 2017.
- **Invited as Speaker** in Physiology Update 2018 “Delving into the Stress Response:HTPA-Axis, Nutrition & Exercise”, Department of Physiology, **Maulana Azad Medical College, New Delhi**. 15th November 2018.

- Life Member of **The Association of Physiologists and Pharmacologists of India (APPI)**
- Former **Research Associate** in the Department of Physiology and Biophysics, School of Medicine, **Case Western Reserve University, Cleveland, Ohio, USA.**
- Awarded **National Scholarship** under **Centre of Advance Study Scheme** during M.Sc from 1997 to 1999
- Awarded **Certificate of Scholarship** for securing highest percentage of marks in the college in M.Sc (Final) Zoology Examination

TEACHING EXPERIENCE:

- **Associate Professor** in Zoology at **Hansraj College**, University of Delhi (2019 till date).
- **Assistant Professor** in Zoology at **Hansraj College**, University of Delhi (2011-2019)
- **Assistant Professor** in Zoology at **Sri Venkateswara College**, University of Delhi (2007-2011).
- **Lecturer** in Zoology at **Miranda House**, University of Delhi (2006-2007).
- **Lecturer** in Zoology at **Maitreyi College**, University of Delhi (2005)
- **Guest Lectures** in Physiology for M.Sc students at **Dr B. R. Ambedkar Centre for Biomedical Research**

RESEARCH EXPERIENCE:

- **Research Associate-** Department of Physiology and Biophysics. **School of Medicine, Case Western Reserve University, Cleveland, Ohio, USA.**
- **Senior Research Fellow (CSIR)-**Department of Physiology. Vallabhbhai Patel Chest Institute, University of Delhi.
- **Junior Research Fellow (CSIR)-** Department of Physiology. Vallabhbhai Patel Chest Institute, University of Delhi.
- **Research Fellow (DRDO)-**Department of Physiology. Vallabhbhai Patel Chest Institute, University of Delhi.

ACADEMIC STAFF COLLEGE – ORIENTATION/REFRESHER COURSE/FACULTY DEVELOPMENT PROGRAMME / ARPIT (SWAYAM):

Name of the Course	Place	Duration	Sponsoring/ Organizing Agency
Orientation (OR-67) [UGC]	CPDHE, DU	20 th June -16 th July 2011	UGC
Refresher in Women Studies. “A”Grade	CPDHE, DU	2 nd to 22 nd Dec 2015	UGC
FDP on Research Data Analysis- Excel & SPSS	Hansraj College,DU	16 th Nov 2016	Dept-Commerce Hansraj College,
FDP on Challenges before the Academia in the era of gadgets, e-communication & A.I	Hansraj College,DU	15 th -28 th Dec 2018	MHFDC, Hansraj College, DU
Organized FDP on Agriculture, Health & Society	Hansraj College,DU	15 th -16 th March 2019	MHFDC, Hansraj College, DU
APPIT Course for CAS Pedagogical innovations &Research Methodology	SWAYAM ARPIT Online course by GJUS&T, Hissar	1 st Nov-28 th Feb 2019	SWAYAM ARPIT
APPIT Course for CAS Advances in Animal Diversity& Syst & Evol	SWAYAM ARPIT Online course by DHGV, Sagar	1 st Nov-28 th Feb 2019	SWAYAM ARPIT
FDP on Roadmap for Building New India with New Education Policy	IQAC, Hansraj College, DU (Online)	21 st -25 th July 2021	IQAC,Hansraj & MHFDC, Hansraj College, DU
FDP on Basis of Quality Research	Hansraj College,DU (Online)	18 th -24 th Dec 2021	SVC & MHFDC, Hansraj College, DU
FDP on Sericulture	Hansraj College,DU (Online)	22nd to 27th June 2023	MHFDC, Hansraj College, DU

MOOCs completed with e-certification- SWAYAM Online Course Certification

S. No .	Details of MOOC	Subject	Certification providing agency	Date of issue of certificate	Level (UG/P G/Other)	Year	Enrolment ID:
1	NCERT MOOCS	Food Nutrition for Healthy living	SWAYAM MOOCS NCERT	19/10/2020	Other	2019 (15 th Apr-15 th Sep)	FNHL/2019/00078

BOOKS PUBLISHED

S.No.	Title of the Book	Authors	Publisher (with city/country) & Year of Publication	ISBN
1.	Textbook of Nutrition in Health and Disease **	Kaveri Chakrabarty and A.S. Chakrabarty (First Author; One of two authors)	Published by Springer Nature Singapore Pte Ltd. 2019	978-981-15-0961-2
2.	Fundamentals of Respiratory Physiology	A.S. Chakrabarty and Kaveri Chakrabarty (One of two authors)	Published by I.K. International Publishing House Ltd, 2006 New Delhi. India	81-88237-70-1

** **Springer Nature** has informed

“Your book is helping solve the world’s greatest challenges”.

“We are delighted to inform you that your book **Textbook of Nutrition in Health and Disease** is among the top used publications on SpringerLink that concern one or more of the **United Nations Sustainable Development Goals (SDGs)**”.

** This book has crossed **20000** accesses till date and has been cited and also mentioned in Wikipedia.

CHAPTER PUBLISHED IN A BOOK

S. No	Title of the Book	Title of the Paper	Author of Paper	Publisher (with city/ country) & Year of Publication	ISBN
1.	Gender and Space : Multidisciplinary Insights	Gender and Human Nutritional Safety	Kaveri Chakrabarty	Published by New Delhi Publishers 2016 New Delhi, India	978-93-85503-48-1

RESEARCH GUIDANCE:

RESEARCH PROJECT

Ongoing Project (2022-2023) in accordance with Hansraj College Research and Development Cell (RDC) scheme as one of the Project Investigators guiding 5 students of B.Sc (Hons) Zoology

Project Title: "Global assessment of nutritional interventions which can mitigate the deleterious effects of COVID-19 pandemic on health"

INNOVATION PROJECT

Successful completion of Innovation project (University of Delhi) 2015-2016
Project Code: HRC-305. As one of the Principal Investigators guiding 10 students of various undergraduate courses (Zoology, Botany and Life Sciences)

Project Title: "Nutritional profiling and correlation with functional respiratory capacity in soldiers / volunteers.

REVIEWER OF RESEARCH PROJECT

Reviewed research proposal submitted under the Intramural Research scheme of Shivaji College (University of Delhi), India. 2022

DOCTORAL (PhD) COMMITTEE MEMBER

Dept of Physiology, All India Institute of Medical Sciences (AIIMS)-Students awarded degree

MEMBERSHIP OF SCIENTIFIC BODIES

- Regular Member of **American Physiological Society (APS)** 2017 till date
- Life Member of **The Association of Physiologists and Pharmacologists of India (APPI)**

ADMINISTRATIVE ASSIGNMENTS

- Convenor-Admissions (Sciences), Hansraj College, University of Delhi for the session (2023-2024)
- GE Coordinator, Department of Zoology, Hansraj College, University of Delhi (2023-2024)
- Convenor Stocks, Department of Zoology, Hansraj College, University of Delhi (2023-2024)
- Member Website, Department of Zoology, Hansraj College, University of Delhi (2023-2024)
- Member of Zoological Society "Shristi Chetna", Hansraj College, University of Delhi (2021-2022)
- Event Organizer -Zoological Society "Shristi Chetna" Festival- "Metamorphosis" (2023-2024)
- Member of North East Cell, Hansraj College, University of Delhi (2023-2024)
- Member of Environment Awareness Society, Hansraj College, University of Delhi (2023-2024)

- Teacher-in-charge of the Department of Zoology, Hansraj College, University of Delhi for the session 2022-2023
- Member of Syllabus Drafting Committee UGCF 2022 as per NEP guidelines for three Papers, University of Delhi, 2022
- Department DBT Coordinator (2022-2023)
- Member of Zoological Society "Shristi Chetna", Department of Zoology, Hansraj College, University of Delhi (2022-2023)
- Member of Workload Committee, Hansraj College, University of Delhi (2022-2023)
- Member of Purchase Committee, Hansraj College, University of Delhi (2022-2023)
- Member of Hostel Committee, Hansraj College, University of Delhi (2022-2023)
- Member of Canteen Committee, Hansraj College, University of Delhi (2022-2023)
- Member of Spicmacay Committee Hansraj College, University of Delhi (2022-2023)
- Department DBT Coordinator (2021-2022)
- Convenor Museum, Department of Zoology, Hansraj College, University of Delhi (2021-2022)
- Member of General and account maintenance, Department of Zoology, Hansraj College, University of Delhi (2021-2022)
- Member of Zoological Society "Shristi Chetna", Hansraj College, University of Delhi (2021-2022)
- Member of Canteen Committee, Hansraj College, University of Delhi (2021-2022)
- Member of Debating Society, Hansraj College, University of Delhi (2021-2022)
- Member of Spicmacay Committee, Hansraj College, University of Delhi (2020-2021)
- Member of North East Cell, Hansraj College, University of Delhi (2020-2021)

- Department Superintendent of Practical Examinations for the session 2020-2021
- Department DBT Coordinator (2020-2021)
- Convenor Museum, Department of Zoology, Hansraj College, University of Delhi (2020-2021)
- Member of General and account maintenance, Department of Zoology, Hansraj College, University of Delhi (2020-2021)
- Member of Zoological Society "Shristi Chetna", Hansraj College, University of Delhi (2020-2021)
- Department DBT Coordinator (2019-2020)
- Convenor Museum, Department of Zoology, Hansraj College, University of Delhi (2019-2020)
- Member of General and account maintenance, Department of Zoology, Hansraj College, University of Delhi (2019-2020)
- Member of Zoological Society "Shristi Chetna", Hansraj College, University of Delhi (2019-2020)
- Teacher-in-charge of the Department of Zoology, Hansraj College, University of Delhi for the session 2018-2019
- Syllabus Up-gradation / Curriculum Revision: Member of Learning Outcomes-based Curriculum Framework (LOCF) for Undergraduate Education. University of Delhi, 2019.
Contributor and Reviewer in
 - (i) CC-VI Physiology: Controlling and Coordinating system
 - (ii) CC-IX Physiology: Life Sustaining Systems
 - (iii) GE-VI Food, Nutrition and Health Department of Zoology, University of Delhi, 2019
- Member of Admission Committee, Hansraj College, University of Delhi (2018-2019)
- Member of Workload Committee, Hansraj College, University of Delhi (2018-2019)
- Member of Purchase Committee, Hansraj College, University of Delhi (2018-2019)
- Member of Library Committee, Hansraj College, University of Delhi (2018-2019)
- Member of Hostel Committee, Hansraj College, University of Delhi(2018-2019)
- Department DBT Coordinator (2018-2019)
- Conducted interviews for adhoc and guest posts (2018)
- Conducted Hostel admissions for Zoology Department (2017-2019)
- Convenor Life Sciences Society (2017-2018)
- Department Superintendent of Practical Examinations (2013-2014)
- Member of Admission Committee, Hansraj College, University of Delhi and ECA Convenor for Admissions (2015-2016)
- Member of Admission Committee, Hansraj College, University of Delhi and ECA Convenor for Admissions (2014-2015)
- Convenor of Western Dance Society (2014-2015)
- Convenor of Choreography Society (2014-2015)

- Member of Music Society (2014-2015)
- Convenor Life Sciences Society (2014-2015)
- Member of Editorial Board of Annual Departmental Magazine “Shrishti 2014”
- Convenor Life Sciences Society (2012-2013)
- Faculty for Cluster classes (September 2012- February 2013)
- Faculty member of Gyanoday Educational Train Journey for NCC and NSS girls students in 2012 (Hansraj College)
- Department Library Incharge (2011-2012)

NATIONAL AND INTERNATIONAL PRESENTATIONS/ TALKS/ RESOURCE PERSON

- **Invited as Speaker**
Topic : Transport of gases- Respiration, Breathing -Bohr's and Haldane Effect, Steps of Urine Formation ,Excretion (Counter Current) Sessions conducted for Delhi Public School faculty
Year: 2023
- **Invited as Resource Person**
Topic: “Laboratory Biosafety: Practices and Procedure” Workshop for Non-Teaching Laboratory Staff on “ Laboratory Safety and Hands on Training. Organized by Department of Zoology , Hansraj College, University of Delhi
Year: 2023
- **Oral Paper Presentation**
Topic: “Effective role of Problem based learning in Higher Education” in National Education Conclave organized by Hansraj College, University of Delhi
Year : 2023
- **Faculty Oral Paper Presentation**
Topic: “Beneficial effects of yoga to prevent or mitigate the incidence of mental disorders during the COVID19 pandemic”
Conference: in 9th International e-conference of FIPS 2022 organized by FIPS and NIPER
Year: 2022
- **Oral paper presentation**
Topic: Impact of social isolation on mental health of different age groups during COVID-19 pandemic.
Conference: Online International Conference on Science and Society organized by Miranda House
Year: 2022

➤ **Invited as Speaker**

Topic : An integrated view of Cognition, Oxidative Stress, Nutrition and Exercise

Seminar : Physiology Update 2018 “ Delving into the Stress Response:HPA-Axis, Nutrition & Exercise”, Department of Physiology, Maulana Azad Medical College, New Delhi

Year : 2018

➤ **Invited as Guest Speaker**

Topic : The exploration of Functional Respiratory Capacity and it's association with Diet and Lifestyle Habits

Seminar : Inspiring Women in STEM Seminar Series , Winston Salem State University, North Carolina, USA.

Year : 2017

➤ **Poster Paper Presentation**

Topic : Nutrition versus Functional Respiratory Capacity: A Cardinal Interplay

Conference : Experimental Biology meeting (EB CHICAGO 2017). Chicago, Illinois, USA.

Year : 2017

➤ **Poster Paper Presentation**

Topic : Environment versus Lungs- A profound impression on Functional Respiratory Capacity Conference : International Conference and Outreach Program on Environment and Ecology: Sustainability and Challenges Delhi.

Year : 2017

➤ **Poster Presentation**

Topic : Deadly environmental air for our lungs- profound effect on breathing

Workshop : STEM teacher training workshop on Research Based Pedagogical Tools , IISER Mohali.

Year : 2017

➤ **Invited as Resource Person**

Topic: Animal Kingdom & Chemical Coordination and Integration. Conduct of Training for teachers of **Delhi Public School Ghaziabad (DPSG)** group of Schools. Organized by Delhi Public School Ghaziabad (DPSG)

Year: 2017

➤ **Invited as Speaker**

Topic : “Impact of Social Media in Daily life” in Seminar for school students and teachers at Delhi International School. Delhi. Organized by Delhi International School, Dwarka & Creative World Media Academy

Year: 2017

➤ **Poster Paper Presentation**

Topic : Effect of acute simulated high altitude on responses evoked by contractile mediators of the airways in guinea pig isolated tracheal rings

Conference : 50th Annual Conference of Association of Physiologists and Pharmacologists of India (Golden Appicon) held at NIMHANS, Bangalore, India

Year : 2004

➤ **Poster Paper Presentation**

Topic : Effect of chronic intermittent hypoxia (CIH) with and without cold exposure on the responsiveness of the isolated guinea pig trachealis : Role of the epithelium

Retreat : 4th Departmental Retreat. Department of Physiology & Biophysics. Salt Fork Resort & Conference Center, Ohio, U.S.A

Year : 2003

➤ **Poster Paper Presentation**

Topic : Effect of cold on contractile response in isolated airway smooth muscle of guinea-pigs

Conference : International Conference On Chest Diseases And Allied Science organized by V.P.Chest Institute at Indian Habitat Centre, New Delhi, India

Year : 2003

➤ **Poster Paper Presentation**

Topic : Effect of hypoxia on airway smooth muscle activity of guinea-pigs

Conference : 47th Annual National Conference Of Association Of Physiologists And Pharmacologists Of India held at Armed Forces Medical College, Pune, India

Year : 2001

LIST OF PUBLICATIONS

- **Kaveri Chakrabarty.** Nutritional Interventions for a Healthy Life during COVID-19 Outbreak: Prospective Association with Healthy Dietary Pattern. HansShodhSudha - Vigyaan-Vaanijaya-kala ka Shodh Sangam Journal Hansraj College Research Journal . July-September 2020, Page 93-99.
- Textbook-**Kaveri Chakrabarty** and A.S. Chakrabarty: Textbook of Nutrition in Health and Disease. Published by Springer Nature Singapore Pte Ltd. 2019
- **Kaveri Chakrabarty** et al. Nutrition versus Functional Respiratory Capacity: A Cardinal Interplay The FASEB Journal (Federation of American Societies for Experimental Biology) April 2017 31:lb832. Impact factor 4.967
- **Kaveri Chakrabarty** et al. Environment versus Lungs –A profound impression on Functional Respiratory Capacity. E032 Encon 2017 4th to 6th January 2017
- **Kaveri Chakrabarty.** Gender and Human Nutritional Safety. Gender and Space- Multidisciplinary Insights 261-271,2016.
- Book-A.S.Chakrabarty and **Kaveri Chakrabarty:** Fundamentals of Respiratory Physiology. Published by I.K. International Publishing House Pvt. Ltd. 2006.
- **Kaveri Chakrabarty** and M. Fahim. Modulation of the contractile responses of guinea pig isolated tracheal rings after chronic intermittent hypobaric hypoxia with and without cold exposure. J Appl. Physiol (American Physiological Society) 99: 1006-1011, 2005. Impact factor 3.05
- **Kaveri Chakrabarty** Functional foods and Exercise may alleviate Cognitive dysfunction of Neurodegenerative diseases
E-conference: NeuroEunoia 2020: A Neuroscience Affair. Page 35, October 2020
- **Kaveri Chakrabarty** and M. Fahim. Modulation of guinea pig tracheal smooth muscle activity by low temperature. The FASEB Journal (Federation of American Societies for Experimental Biology) 19: A 1277-1278, 2005. Impact factor 4.967
- **Kaveri Chakrabarty** and M. Fahim. Effect of acute simulated high altitude on responses evoked by contractile mediators of the airways in guinea pig isolated tracheal rings. Ind .J. Physiol. Pharmacol 48: p171, Suppl 2004
- **Kaveri Chakrabarty** and M. Fahim. Effect of chronic intermittent hypoxia (CIH) with and without cold exposure on the responsiveness of the isolated guinea pig trachealis : Role of the epithelium. Departmental Retreat. Salt Fork Resort, U.S.A. p 47, 2003

- **Kaveri Chakrabarty** and M. Fahim. Effect of cold on contractile response in isolated airway smooth muscle of guinea pigs. Souvenir and Abstracts. International Conference On Chest Diseases and Allied Sciences. p 94, 2003
- **Kaveri Chakrabarty** and M. Fahim. Modulation of the responsiveness of the guinea pig isolated trachealis to 5-HT under hypoxia: Effects of epithelial denudation. Ind. J. Physiol Pharmacol 46: p 35, Suppl 2002
- **Kaveri Chakrabarty** and M. Fahim. Effect of hypoxia on airway smooth muscle activity of guinea pigs. Ind. J. Physiol Pharmacol 45: p122, Suppl 2001

CHAIRPERSON/ ORGANIZER / CONVENOR / RESOURCE PERSON / PRESENTOR & PARTICIPANT IN WORKSHOPS /SYMPOSIA /SEMINAR & CONFERENCES

- Participated in International Symposium on Frontiers in Applied Sciences (ISFAS 24) on 19 March 2024. Organized by DDU College, University of Delhi
- Participated in workshop on “Awareness about Plagiarism: PDS Drillbit Extreme”. Organized by IQAC & RDC Hansraj College, University of Delhi on 13th March, 2024
- Participated in One-Day National Webinar entitled “Is Air Pollution Responsible For Increasing Rate of Lung Cancer?” organized by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC/ GAD-MMTTC), SGTB Khalsa College, University of Delhi in collaboration with Indian Cancer Society, Delhi held on 02 March 2024
- Participated in FDP -Sericulture (Online) 22nd to 27th June 2023. Organized by Centre for Skill Development and Seri-technology, Department of Zoology, Hansraj College & MHFDC, Hansraj College
- Oral Paper Presentation on “Effective role of Problem based learning in Higher Education” in National Education Conclave organized by Hansraj College, University of Delhi 23rd -24th March, 2023
- Participated in Course Workshop- Ayurveda and Nutrition at Hansraj College, University of Delhi on 20th October 2022. Organized by Value Addition Courses Committee (University of Delhi) & MHFDC Hansraj College, DU
- As Teacher-In-Charge for organizing a seminar “Reading and writing the Genome with Precision” on 27-01-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing a therapeutic Art Session “Expressive Art Therapy” on 29-03-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge and Event Organizer for a seminar “ Longevity is regulated by interspecies interaction : The story of a worm and its diet on 17-03-2023 .Organized by Life Sciences Society, Hansraj College (University of Delhi)
- As Teacher-In-Charge and Event Organizer for a webinar “ At the tri-junction of fragility and vulnerability: The Andaman and Nicobar Story on 14-01-2023. Organized by Life Sciences Society, Hansraj College (University of Delhi)

- As Teacher-In-Charge and Event Organizer for a webinar “Significance of chromosomes in Basic and Fundamental research” on 21-01-2023. Organized by Life Sciences Society, Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing an international webinar on “Structural studies of GPCRS by using molecular dynamic simulations and docking analysis” on 20-01-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing an international webinar on “ Darwin’s question revisited : How and why species multiply ” on 01-02-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing the webinar on “ Human Genomes, Health and Society ” on 11-02-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing “Wildlife” Quiz on 21-01-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing Photography competition “Wildreflex” on 21-01-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing Wildlife Painting competition “Wildlife in Art” on 28-02-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing “Tresure Hunt” on 28-02-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge for organizing “Zoo-E-Antakshari” on 29-02-2023. Organized by Shristi Chetna Department of Zoology Hansraj College (University of Delhi)
- As Teacher-In-Charge and Event Organizer for Debate Competition on 20-03-2023. Organized by Life Sciences Society, Hansraj College (University of Delhi)
- As Teacher-In-Charge and Event Organizer for Photo Contest on 20-03-2023. Organized by Life Sciences Society, Hansraj College (University of Delhi)
- As Teacher-In-Charge and Event Organizer for Quiz Competition “Trivia Naturae” on 14-01-2023. Organized by Life Sciences Society, Hansraj College (University of Delhi)
- As Teacher-In-Charge and Event Organizer for Poster Making Competition on 14-01-2023. Organized by Life Sciences Society, Hansraj College (University of Delhi)
- Participated in Managing References made easy using Mendeley at University of Delhi" held on 25 May, 2022
- Oral paper presented on “Beneficial effects of yoga to prevent or mitigate the incidence of mental disorders during the COVID19 pandemic” in 9th International e-conference of FIPS 2022 held on 25-27 March 2022 organized by FIPS and NIPER
- Participated in Wellness Workshop " A journey from illness to Wellness" held on 6 March, 2022 organized by Ramjas College, University of Delhi.
- Participated in Iecture " Seasonality in wild birds : Regulation by environmental factors" held on 26 February, 2022 organized by Shivaji College, University of Delhi.
- Oral paper presented on Impact of social isolation on mental health of different age groups during COVID-19 pandemic in Online International Conference on Science and Society held on 23-25 February 2022 organized by Miranda House.

- Participated in Webinar "Accelerate your research using Elsevier Scopus at University of Delhi" held on 11 February, 2022
- Participated in Webinar "Understanding Plagiarism Detection Software Ouriginal" held on 28 January, 2022 organized by , DU and e-Galactic Pune.
- Participated in International Workshop on "Physical Anthropology in Public Health (Online mode) held on 21-22 January, 2022 organized by Department of Anthropology, University of Delhi.
- Participated in Webinar on "Discover Emerald Resources for your academic excellence and Research" held on 18 January, 2021 organized by Emerald Publishing,
- Participated in IPR Awareness and Training Program" held on 12 January, 2022 organized by Intellectual Property Office, India.
- Chairing technical session of Oral Presentation in "Health 2021 -Virtual International Conference on Cancer Biology: Advances and Challenges" held on 11-13 November, 2021 organized by Deshbandhu College, University of Delhi.
- Participated in International Online symposium on "Reproductive Health and Physical Fitness" held on 28-29 September, 2021 organized by DDU College, University of Delhi.
- Member of Organizing Committee in Webinar entitled "World of Insects" held on 12th November, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in Awareness session entitled "Used plastic and its Management" held on 29th October, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in Webinar entitled "Global peace and power of positivity" held on 23rd October, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in Workshop entitled "Nutritional Awareness and Physical Fitness" held on 16-18th October, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in Webinar entitled "Human Diversity, Immune response and Cancer" held on 1st October, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in webinar entitled "Practice of Medicine in India" held on 25th September, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Participated in Two day National Symposium on "Reshaping education during pandemic" held on 13-14, July 2021 organized by Vidya vistar and Gyan Setu , Hansraj College and Govt College, Yachuli, Arunachal Pradesh.
- Participated in Webinar "New initiatives in examination and evaluation" held on 10th July, 2021 organized by University of Delhi.
- Member of Organizing Committee in Webinar entitled "Need for IPR for innovation Ecosystem" held on 17th April, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.

- Organizer in Annual lecture session titled “Understanding the tribal communities in India: Culture, Identity and Hegemony” held on 24th January, 2021 organized by North East Cell, Hansraj College, University of Delhi.
- Member of Organizing Committee in Webinar entitled “Dragon flies and Humans” held on 23rd January, 2021 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Organizer in Webinar titled “ Fourth Revolution: Preparing for the impending change amidst COVID times” held on 21st November, 2020 organized by North East Cell, Hansraj College, University of Delhi.
- Organizer in Workshop Session on “ How to earn a Professional Degree alongside your Curent Study or Job” held on 7th November, 2020 organized by North East Cell, Hansraj College, University of Delhi.
- Participated and abstract published of e-Poster in International E-conference “ NeuroEunoia 2020: A Neuroscience Affair hosted by Gargi College, University of Delhi, 16-17 October 2020
- Member of Organizing Committee in Webinar entitled “Lets build wellness-than treating diseases” held on 26th September, 2020 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in Webinar entitled “Frontrunners of Zoology: Winning streak continues” held on 5th September, 2020 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in One Day International Webinar on “ Gut microbiota and host : the fight for Iron” organized Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi, August 1, 2020
- Member of Organizing Committee in One Day International Webinar on “ COVID 19; Living through the Pandemic” organized Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi, July 29, 2020
- Departmental DBT Coordinator in One Day Webinar on “ Topics- Prevention and Remedies of Pandemic Covid-19” organized by Department of Zoology (Under DBT Star College Scheme), Hansraj College, University of Delhi, May 15, 2020
- Participated in Two Days Webinar on “ Myths and Truths of Fitness and Corrective Exercises for Various Body Deformities” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, May 12-13, 2020
- Participated in Three Days Webinar on “ Covid 19: Challenges and Road ahead” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, May 7-9, 2020
- Participated in One Day Webinar on “ Strengthening the Immune System with Naturopathy ” organized by Department of Botany and IQAC, Hansraj College, University of Delhi, May 6, 2020

- Participated in Three Days Webinar on “ Stress Management during Covid-19 Phase” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, May 1-3, 2020
- Participated in One Day Webinar on “ Leadership roles in Uncertain Times” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, April 30, 2020
- Participated in One Day Webinar on “ Teachers and Technology: The Road Ahead” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, April 25, 2020
- Member of Organizing Committee in Seminar entitled “Common Science (an initiative towards capacity building, Science educators, and awareness by Black kite project ” held on 24th February, 2020 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Member of Organizing Committee in Seminar entitled “The development of Drosophila and Zebrafish” held on 14th February, 2020 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Participated in ISW-2020 International Summit on Women In STEM-“Visualizing the Future: New Skylines”organized by DBT and ICGEB at India Habitat Centre,Lodhi Road, Delhi January 23-24, 2020
- Participated in One Day Workshop on “ Soft Skill Development in New Age Teaching” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, October 19, 2019
- Participated in Fourth Lecture Workshop on Trans-disciplinary Areas of Research and Teaching by Shanti Swarup Bhatnagar Awardees organized by Science Foundation of Deen Dayal Upadhyaya College, University of Delhi, September 27-28, 2019
- Member of Organizing Committee in “Blood Donation Camp and lecture on "Why to donate blood” held on 18th September, 2019 organized by Shristi Chetna, Department of Zoology, Hansraj College, University of Delhi.
- Organizer in One Day Workshop on “ Python for Biology” organized by Department of Zoology, Hansraj College, University of Delhi, September 07, 2019
- Delegate in Indo-European Workshop on “Next Generation Physiology for Healthy Lifestyle” held on 31st January-1st February 2019. Organized by Department of Physiology, All India Institute of Medical Sciences, New Delhi.
- Delegate in ICMR Workshop Series on “Physiology Education Techniques 2018: IUPS Initiative” held on 3-5 November, 2018 at All India Institute of Medical Sciences, Jodhpur.
- Participated in “ Mental Health Summit 2018” on September 15th 2018 organized by Enlightened Souls Foundation.
- Delegate in the 1st Annual Conference of Association of Physiologists & Pharmacologists of India, Delhi Chapter, “APPICON DC 2018” held on 7th and 8th September, 2018.

Organized by Department of Physiology, Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, India.

- Participated in the Conclave on “Biodiversity for Everyone’s Life” on August 31st, 2018 held at Miranda House, University of Delhi. Organized by Miranda House (University of Delhi) and Institute of Bioresources and Sustainable Development (IBSD), Manipur.
- Organized Zoological Society “Shristi Chetna” functions as Teacher-in-charge which included scientific lectures and talks for the session 2018-2019. An inaugural lecture by Professor K. N. Tyagi on "Relevance of Classical Zoology in Present Day Scenario was held on 25th September 2018. A talk was delivered by Dr. Rahul Pal (Staff Scientist, NII) on "Autoimmunity" on 20th February 2019 in association with Science-setu scheme.
- Member of Advisory committee in the Indo-US Colloquium on “Recent Developments in Interdisciplinary Sciences” held on 2nd July, 2018 at Hansraj College, University of Delhi
- Successfully completed 1-Day Workshop on “Document verification: A Forensic Perspective” organized by Shaheed Rajguru College of Applied Sciences for women, Delhi in collaboration with DBT Star College Scheme & IQAC held on June 11th, 2018 at Shaheed Rajguru College of Applied Sciences for women (University of Delhi).
- Convener of a one day seminar and hands-on-workshop organized by the Life Science Society on “Computational Biology and its role in Genomics & Metagenomics” on 15th Feb, 2018 , Department of Zoology, University of Delhi at Hansraj College, University of Delhi.
- Organizer in the Workshop on “ Diagnostic Applications of Immunological Techniques” held on 19th to 20th September,2017 at Department of Zoology, Hansraj College, University of Delhi.(under DBT Star College Scheme).
- Resource person in the Workshop on “ Basic Blood and Biochemical Parameters of Human Health” 7th September, 2017, held at Department of Zoology, Hansraj College, University of Delhi.(under DBT Star College Scheme).
- Organizer in Workshop on “Beekeeping – Be a Bee” held at Department of Zoology, Hans Raj College on August 22nd, 2017 under aegis of DBT star College scheme.
- Resource Person for Conduct of Training for teachers of DPSG group of Schools on 21st May 2017.
- Oral Presentation –“ The exploration of Functional Respiratory Capacity and it’s association with Diet and Lifestyle Habits”. Inspiring Women in STEM Seminar Series, 1st May, 2017.Winston Salem State University, North Carolina , USA.
- Poster presented –“ Nutrition versus Functional Respiratory Capacity: A Cardinal Interplay”. Experimental Biology meeting (EB CHICAGO 2017), 22-26 April 2017. Chicago, Illinois, USA.
- Participated and given Award of Appreciation in the “Say No to Drugs” Awareness Campaign 29th March, 2017, Ramanujan College, University of Delhi.

- Organizer in One day workshop on “ Construction and analysis of phylogenetic trees” 23rd February, 2017, Department of Zoology, Hansraj College, University of Delhi.(under DBT Star College Scheme).
- Organizer in two day workshop on “Zebrafish- A model organism” 21st & 22nd February, 2017, Department of Zoology, Hansraj College, University of Delhi.(under DBT Star College Scheme).
- Invited Speaker in Seminar –“Impact of Social Media in Daily life” at Delhi International School, Dwarka 11th February 2017
- Poster presented -“Deadly environmental air for our lungs- profound effect on breathing” STEM teacher training workshop on Research Based Pedagogical Tools 23-25 January, 2017, IISER Mohali.
- Organizer in Two days Workshop on Drosophila- A model organism. 20-21 January, 2017. Department of Zoology, Hansraj College(Under DBT Star College Scheme).
- Poster presented –“ Environment versus Lungs : A profound impression on Functional Respiratory Capacity”. International conference and outreach program on environment and ecology : Sustainability and Challenges .January 4-6.2017.
- Attended Training workshop on “ Drosophila and Zebrafish Model Systems” 19th -21st December, 2016. Department of Biochemistry & Zoology, Daulat Ram College, University of Delhi.
- Organizer in two day workshop on “Techniques in Immunology” 19th and 20th December, 2016, Department of Zoology, Hansraj College, University of Delhi.(under DBT Star College Scheme).
- Participated in Faculty Development Program on Research Data Analysis using Excel & SPSS November 16, 2016, Department of Commerce, Hansraj College, University of Delhi.
- Participated in Symposium on Preoptic Area in Sleep and Sleep Apnoea-New Insights May 15, 2015. Department of Physiology, Vardhman Mahavir Medical College and Safdarjung Hospital.
- Participated in Commission for Scientific and Technical Terminology, Govt of India, 23-07-2015 to 24-07-2015.
- Organizer in workshop on “Bioinformatics” Department of Zoology, Hansraj College, University of Delhi.(Star College Project)
- Participated in Workshop on Data Acquisition and Analysis AD Instruments, Department of Zoology, University of Delhi.
- Participated in National Seminar “ Linking Human Resources with Business strategies. 26th and 27th March, 2014, Department of Commerce, Jesus and Mary College, University of Delhi.
- Organizer in Molecular Biotechnology Techniques. 21-23 March, 2014, Department of Zoology, Hansraj College, University of Delhi.(under DBT Star College Scheme).

- 1st International Conference on Emerging Trends of Nanotechnology in Drug Discovery 26-27 May, 2014. Sri Venkateswara College and Department of Biochemistry, UDSC in association with CQM, University of Madeira, Portugal.
- National Conference on Relevance of Nanotechnology in Biology, Department of Botany and Zoology, Hans Raj College, University of Delhi, March 1st, 2013 (Member of organizing committee).
- “Inspire Internship Program-2012” organized by Hans Raj College, University of Delhi, December 17-21, 2012 (Member of organizing committee).
- “Global Hypoxia Summit & 4th International Conference on Chronic Hypoxia” August 9-12, 2012 organized by DIPAS, Delhi August 9-12, 2012.
- TRendys in Biochemistry-2010, Sri Venkateswara College, University of Delhi, Organized by Department of Biochemistry, Sri Venkateswara College, University of Delhi & School of Biotechnology, Jawaharlal Nehru University, New Delhi Nov 2010.
- “Learning for content (L4C)-42-Workshop on Open Educational Resources” at South Campus (D.U) with support from Commonwealth of Learning, Vancouver, Canada. Jointly organized by University of Delhi, South Campus & Acharya Narendra Dev College, April 2009.
- National Symposium on Biotechnology in the post-genomic era. Department of Biotechnology, Sri Venkateswara College, University of Delhi, April 2009.
- Biology Laboratory Course (LS-206). ILLL and Miranda House, University of Delhi, September 2008.
- National Symposium on Oxidative Stress- An Overview, Department of Physiology, Maulana Azad Medical College, February, 2008.
- Poster presented on “Effect of acute simulated high altitude on responses evoked by contractile mediators of the airways in guinea pig isolated tracheal rings: in 50th Annual Conference of Association of Physiologists and Pharmacologists of India (Golden Appicon) held at NIMHANS, Bangalore, India, 2004
- II Annual Conference of the Society of Pharmacovigilance. V.P. Chest Institute. University of Delhi, March 2003.
- Poster presented on “Effect of chronic intermittent hypoxia (CIH) with and without cold exposure on the responsiveness of the isolated guinea pig trachealis : Role of the epithelium” in Retreat : 4th Departmental Retreat. Department of Physiology & Biophysics. Salt Fork Resort & Conference Center, Ohio, U.S.A, 2003
- Poster presented on “Effect of cold on contractile response in isolated airway smooth muscle of guinea-pigs” in International Conference On Chest Diseases And Allied Science organized by V.P.Chest Institute at Indian Habitat Centre, New Delhi, 2003
- Poster presented on “Effect of hypoxia on airway smooth muscle activity of guinea-pigs” in 47th Annual National Conference Of Association Of Physiologists and Pharmacologists of India held at Armed Forces Medical College, Pune, India, 2001
- Biotechon-2001. V.P. Chest Institute. University of Delhi, October 2001.

- Symposium on Rational use of antibiotics. V.P. Chest Institute. University of Delhi, June 2000.
- 11th Annual Conference of the Physiological Society of India. V.P. Chest Institute. University of Delhi, November, 1999.
- Symposium on targets for New Drug Development: Into the New Millenium. V.P. Chest Institute. University of Delhi, November, 1999.

Other Educational Activity

Educational Trips

- Lab visit- Genetics lab visit (Dr. Surajit Sarkar, South campus)- for exposure to advanced instruments and techniques (Hansraj College) 21st January 2017
- Student Visit to DIPAS for Innovation Project (2015)
- Student visit to Institute of Genomics & Integrative Biology for CSIR-IGIB Open Day(2015)
- Under DBT Star College Scheme to “Codon Biotech” Noida on 17th October 2013 (Hansraj College)
- Gyanoday Educational Train Journey for NSS girls students in 2012 (Hansraj College)
- Jim Corbett National Park- Uttarakhand in November 2009 (Sri Venkateswara College)
- Binsar Wild Life Sanctuary- Uttarakhand in September 2007 (Sri Venkateswara College)
- Yamuna Biodiversity Park and Delhi Zoo in 2007 (Miranda House)
- Yamuna Biodiversity Park, Delhi in 2005 (Maitreyi College)

COURSES TAUGHT AT VARIOUS LEVELS

(A) Undergraduate:

ANNUAL MODE :-

B.Sc (Hons) Zoology : 1st Year – Paper - I –Animal Diversity-I (Theory and Practicals)

2nd Year – Paper - III –Animal Diversity-II (Theory and Practicals)

– Paper - IV –Biological Chemistry and Immunology (Theory and Practicals)

3rd Year – Paper - VI –Physiology and Functional Histology

(Theory and Practicals)

– Paper - IX –Cell and Molecular Biology
(Theory)

- Paper - Xa –Applied Entomology (Theory
and Practicals)

B.Sc (Hons) Biological Sciences : 2nd Year – EL 211b – Elective Human
Biology (Theory)

3rd Year – EL 311b – Elective Human Biology
(Theory and Practicals)

B.Sc (G) Life Sciences : 2nd Year – LS-203 – Cell Biology, Biochemistry and
Immunology (Practicals)

B.Sc (G) Life Sciences : 1st Year – Paper – 105 a – Biology (Theory)

B.Sc (G) Applied Physical Sciences : 1st Year – Paper – 105 b – Biology
(Theory)

B.Sc (Hons) Botany- Subsidiary : 1st Year – Paper - I –Animal Diversity-I
(Theory and Practicals)

2nd Year – Paper - III –Animal Diversity-II
(Theory and Practicals)

Qualifying Subject – History of Science and Scientific Method

SEMESTER MODE:-

Four Year Undergraduate Program (FYUP) Zoology : 1st Year –DC –I (Paper-1)
Diversity & Evolution of Non Chordates-I (Theory and Practicals)

: 1st Year –DC –I (Paper-3) Diversity & Evolution of Non Chordates-II (Theory
and Practicals)

THREE YEAR PROGRAMME (Six- Semester Course)

B.Sc (Hons) Zoology : 1st Year(II Sem)–Paper -5 ZOHT-202–Biodiversity II
(Theory and Practicals)

1st Year(II Sem)–Paper-6 ZOHT-203–Biodiversity III
(Theory and Practicals)

2nd Year(III Sem)–Paper -9 ZOHT-304–Animal
Physiology and Functional Histology - I
(Theory and Practicals)

2nd Year(III Sem)–Paper -11 CBHT-301– Cell
Biology –I (Theory)

2nd Year(IV Sem)–Paper -13 ZOHT-405–Animal
Physiology and Functional Histology -II
(Theory and Practicals)

B.Sc Life Sciences : 1st Year(II Sem)–Paper -7 LSPT-203–Food Nutrition
& Health (Theory)

2nd Year(III Sem)–Paper -11 LSPT-305–Biodiversity

II (Theory)

2nd Year(III Sem)–Paper -12 LSPT-306–Introduction
to Medical Diagnostics
(Theory and Practicals)

B.Sc (Hons) Anthropology: 2nd Year(III Sem)–Paper -12 MBHT-301
Molecular Biology – I
(Theory and Practicals)

B.Sc (H) Chemistry : 1st Year(II Sem)–Paper -7 LSPT-202–Biology II
(Theory & Practicals)

CHOICE BASED CREDIT CYSTEM (CBCS)

B.Sc (Hons) Zoology : 2nd Year(III Sem)–Core Course VI –Physiology :
Controlling and Coordinating Systems
(Theory and Practicals)

B.Sc (Hons) Zoology : 2nd Year(III Sem)–Paper-Diversity of Chordata
(Practicals)

B.Sc (Hons) Zoology : 2nd Year(IV Sem)–Paper –32231401-Comparative
anatomy of Vertebrates (Theory and Practicals)

B.Sc (Hons) Zoology : 2nd Year(IV Sem)–Paper-32231402–Physiology : Life
Sustaining Systems (Theory)

B.Sc Life Sciences : 2nd Year(III Sem)–Core Course III –Physiology &
Biochemistry(Theory)

GE for Zoology :1st year (II Sem)-Human Physiology (Theory and Practicals)

GE for Zoology : 2nd year (III Sem)-Paper-GE-6- Food, Nutrition and Health
(Theory)

NEP-UGCF

B.Sc (Hons) Zoology : 2nd Year(III Sem)–Paper-Diversity of Chordata (Practicals)

GE for Zoology : 2nd year (III Sem)-Paper-GE-6- Food, Nutrition and Health (Theory)

B.Sc (Hons) Zoology : 2nd Year(IV Sem)–Paper –32231401-Comparative anatomy of
Vertebrates (Theory and Practicals)

(B) Postgraduate:

Guest lectures in Physiology to M.Sc -Ph.D Combined degree course at Dr.
B.R. Ambedker Center for Biomedical Research (University of Delhi)

