

**ORGANISED BY** 



DEPARTMENT OF ENVIRONMENTAL SCIENCE MAHARSHI DAYANAND SARASWATI UNIVERSITY & AJMER



THE ETHOLOGICAL SOCIETY OF INDIA (ESI)

# intr duction

India with its diverse habitats and rich biodiversity is o p e n a n laboratory for ethology, offering opportunities for unraveling the mysteries of animal behaviour, a pursuit started by Charles Darwin and placed prominently on the research map by the 1973 Nobel Prize for ethologists. From field observations to experimental studies the science of ethology has now advanced to encompass a wide range of themes in life sciences and is also increasingly being harnessed to formulate solutions to some of the biodiversity management issues. This year's focal theme is avian ethology, recognizing the importance of India's rich and varied avian biodiversity and in honour of Dr. Salim Ali, the founding father of bird behavior studies in South Asia.

The symposium will cover a wide range of topics as listed below:

#### **SYMPOSIUM SUB-THEMES & CODES**

- 1. Avian Ethology
- 2. Migratory Behaviour
- 3. Breeding Behaviour
- 4. Predator-Prey Relationships
- 5. Applied Ethology
- 6 Camouflage and Mimicry
- 7. Social Behaviour
- 8. Animal Cognition
- 9. Animal behaviour in relation to climate change and anthropogenic pressure
- 10. Behaviour and Genetics
- 11. Hormones, Pheromones and Behaviour
- 12. Chronobiology
- 13. Natural Disasters and Animal Behaviour
- 14. Animal Communication
- 15. Issues in Ethological Studies in India
- 16. Ethology, biodiversity conservation and the Post 2020 CBD Global Biodiversity Framework
- 17. Human-wildlife Conflicts
- 18. Health, nutrition & behaviour
- 19. Ethology of urban animals / Urban Development & Landscape Architecture in India and its impact on Animal Behaviour
- 20. Human Ethology

#### **CHIEF PATRONS**

# Prof. R.P. Singh

Vice-Chancellor, Maharshi Dayanand Saraswati University, Ajmer

#### Dr. S. Faizi

COMMIT

President, Ethological Society of India

#### CONFERENCE CONVENER

#### Prof. Praveen Mathur

Head, Department of Environmental Science, M.D.S. University, Ajmer

Dr. V.B. Mathur ш

Chairman, Biodiversity Board of India

Prof. Reena Mathur.

Former Head, Department of Zoology, University of Rajasthan, Jaipur

Prof. K.K. Sharma

Former Head, Department of Zoology, MDS University, Ajmer

Prof. K.C. Sharma

Former Head, Department of Environmental Sciences, MDS University, Ajmer

Prof. A. K. Pati

Vice-Chancellor, Gangadhar Meher University, Sambalpur

O RY Dr. M.R. Baloch

Director, A.F.R.I., Jodhpur

Dr. Raju Kasambe

BNHS, Mumbai

Dr. Chandish R. Ballal

ADVIS Director, ICAR - NBAIR, Bangalore

Prof. Arti Parganiha

School of Studies in Life Science, Pt. Ravi Shankar Shukla University, Raipur

Dr. Geetha Bali

Immediate Past President of ESI & Ex-VC, Karnataka Women's University

Dr. R. Ramamurthi

CADEMIC Former President of ESI& Ex-VC of SV University

Dr. P.A. Azeez

Ex-Director, SACON, Coimbatore

Dr. D.P.S. Verma

Ex PCCF, Gujarat

Dr. Venkitaraman

Ex-Director, Zoological Survey of India

Dr. Renee Borges

Centre for Ecological Sciences, Indian Institute of Science, Bangalore

ATIONAL Saroi Patnaik

IFS (Rtd.) Member, Central Empowered Committee, Supreme Court of India

Ms. Shruti Sharma

(IFS) APCCF, Rajasthan Forest Department









#### Prof. Subroto Dutta

Dean Science & Head, Department of Remote Sensing & Geo-informatics, MDS University, Ajmer

Prof. L.S. Rajpurohit

Head, Department of Zoology, JNV University, Jodhpur

Prof. Anil Kumar Chhangani

Head, Department of Environmental Science, MGS University, Bikaner

Prof. Subhash Chandra

Head, Department of Zoology, M.D.S. University, Ajmer

Dr. Ram Niwas Lamrod

Director, Fisheries Department, Rajasthan

Dr. Reena Vyas Mishra

Associate Professor, S.P.C. Government College, Ajmer

Dr. Anil Tripathi

Associate Professor, Govt. College, Bhilwara

Dr. Nishith Dharaiya

Assistant Professor, HNG University, Patan, Gujrat

Dr. Vijay Kumar Koli

Assistant Professor, Department of Zoology, MLS University, Udaipur

Mr. Vikas Saxena

Assistant Professor, S.P.C. College, Ajmer

Dr. Sujit Narwade Project Scientist, BNHS

Dr. Moulishree Agrahari
C.E.O., I.C.T. S.D.S., Department of IT,
BT AND S&T, Govt. of Karnataka

Prof. B.P. Saraswat
Dean Commerce, MDS University, Ajmer

Prof. Nagendra Singh
Dean of Education, MDS University, Ajmer

Prof. Shivdayal Singh

Dean of Social Sciences, MDS University, Ajmer

Prof. Bharti Jain

Dean PG, MDS University, Ajmer

Prof. Manoj Kumar

Dean of Management, MDS University, Ajmer

**≥** Dr. M. Manjunatha

Dean, College of Agriculture and Horticulture, Shimoga

Prof. Laxmi Thakur,

Head, Department of Population Studies

MDS University, Ajmer

Prof. Ashish Bhatnagar

 Head, Department of Microbiology, MDS University, Ajmer

Prof. Monica Bhatnagar

Department of Microbiology, MDS University, Ajmer

Prof. Ritu Mathur

Department of Food Science and Nutrition, MDS University, Ajmer

Prof. Arvind Pareek

Head Department of Botany, MDS University, Ajmer

Dr. Renu Kohli

Associate Professor, Government College, Pali, Rajasthan

✓ Dr. Akshay Chakravarthy

Former Principal Scientist and Head of Division, IIHR, Bangalore

**△** Dr. V.V. Binoy

**Assistant Professor** 

National Institute of Advanced Studies, Bangalore

Dr. K. Sreedevi

Senior Scientist, ICAR-NBAIR, Bangalore

Dr. S. Rajashekara

Dept of Zoology, Bangalore University

Dr. B. Anjan Kumar Prusty

Associate Professor, Natural Resource Management and Geoinformatics, Khallikote (Cluster) University, Odisha

Dr. Manjari Jain

Assistant Professor, IISER, Mohali



#### ABOUT THE MDS UNIVERSITY:

The Maharshi Dayanand Saraswati University, Ajmer is a comparatively young University of the country which came into existence on 1<sup>st</sup> August, 1987. Ever since its inception the University has for the last 32 years has never settled for the slow pace — it has steadily and successfully marched on the road to development attaining several milestones during its journey of growth and progress. There are 307 Colleges affiliated to this University which are spread over 4 districts in the state of Rajasthan. The University registered 3,18,325 students for various courses during the 2018-19 session. (www.mdsuajmer.ac.in)

#### **ABOUT THE DEPARTMENT:**

The Department of Environmental Science was established in 1993. It is housed in the beautiful building "Charak Bhawan" with the State of Art Infrastructure for Teaching and Research. Research is conducted relating to Environmental Impact Assessment (EIA), Disaster Management, Air, Water, Noise & Soil Pollution, Lake Conservation, Mining, Deforestation, Climate Change and Ornithology.

#### Centre for Excellence in Environmental Science

It was decided by the MDS University's 60th Academic Council dated 26 November 2019 to make the Department of Environmental Science as a Centre for Excellence. The same was approved by the 95th Board of Management Meeting on 29th November 2019. The Department is committed to give its best by incorporating new courses and State of the art Laboratories to cater to the needs of Ajmer City as well as for the Society.

# The Department offers the following courses:

- M.Sc. Environmental Science four Semester Course
- Post Graduate Diploma in Industrial Safety Health & Environment (PGDISHE) one year duration
- Certificate Course in Birding (CCB) Six months course
- Diploma Course in Basics of Ornithology (DCBO) Six months course





# ETHOLOGICAL SOCIETY OF INDIA (ESI)

The Ethological Society of India (E.S.I.) was founded in 1970 in Bangalore as a professional association of behavioral biologists and research students from across the country to promote animal behavioral studies in the University system and outside. The Society has so far conducted forty two annual conferences on various animal behavior themes in partnership with front line research organizations across the country. These conferences and publications of the Society have played a critical role in advancing ethological studies in the country. For more details and membership visit website www.esi1970.org or contact: vvbinoy@gmail.com

# IMPORTANT DATES TO REMEMBER

**DATES**20 December, 2019

Registration starts

10 February, 2020 Abstract submission last date

15 February, 2020 Early registration ends

5-6 March, 2020 Symposium

7 March, 2020 Post-Symposium Field Visit

(optional) on Payment basis

 Full paper may be sent before the commencement of the symposium and selected papers will be included in the conference proceedings.

#### THE VENUE AND CONNECTIVITY

The University campus is situated in the lap of Central Aravalli hill ranges presenting a panoramic view of a mix of beautiful landscape and architecture. The campus spanning over 310 ha of land area is situated by the side of National Highway No. 8 (Ajmer-Jaipur) at a distance of 7 kilometers from Ajmer Bus stand, 8 kilometers from Ajmer Railway Station and 12 kilometers from Kishangarh Airport. The Kishangarh Airport is well connected with major metropolitan cities (Delhi, Hyderabad and Ahmedabad) of India. The distance by road from Jaipur Airport to the University is about 120 kilometers.

#### CLIMATE

Ajmer has a pleasant climate during the months of February and March. The average day temperature during these months is around 20°C. It is the finest time to visit this city for sightseeing as well as bird watching.

#### **REGISTRATION**

Registration fee for the seminar will be as follows:

Category	Early Registration	<b>Spot Registration</b>
Student	Rs. 800	Rs. 1500
Research Scholars	Rs 1000	Rs 1500

ESILM Rs. 800 \*ESILM Rs. 1000

Faculty / Scientist Rs. 2000 Rs. 2500

ESILM Rs. 1800 ESI LM Rs. 2000

Accompanying person Rs. 750 Rs. 1200

\*ESILM: Life Membership of ESI

#### **MODE OF PAYMENT**

Registration fee should be paid in favor of Conference Convener, Department of Environmental Science, MDS University, Ajmer by SBI Collect only. Payment should be made through

https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID= 1487557

### **ABSTRACT SUBMISSION**

Participants are invited to submit abstracts for Oral/Poster presentation in MS Word format, not exceeding 300 words including Title, Author(s), Affiliation and E-mail address (Font size 12, Times New Roman, 1.5 line spacing) on any of the aforesaid sub-themes. Abstracts may be sent to the Conference Convener through e-mail: nsab2020@mdsuajmer.ac.in with cc to vvbinoy@gmail.com on or before January 30. Intimation of acceptance of abstract will be made in the given e-mail address and phone no. for correspondence on February 5, 2020.



#### ORAL PRESENTATION

Authors of selected papers can make oral presentations followed by discussion. Power Point presentation facility will be available.

**Duration:** 10minutes (\*Please avoid animation in the slide show)

#### POSTER PRESENTATION

Poster should have a length of 120cm and width of 90cm. The main heading, sub heading(s), author(s) name and text should have the font size of 70, 48, 42 and 24 respectively. Font Arial or Times New Roman. Non-degradable materials (plastic/flex) should be avoided.

#### AWARDS

- Young Ethologist Award (One) for young faculty
- Young Ethologist Award (One) for Research Scholar
- Best Oral Presentation Award (One) for Student
- Best Poster Awards (Three) 1st, 2nd and 3rd

## ACCOMMODATION

Hotel accommodation will be arranged on payment basis atselected hotels in the city. Details of hotels and tariff will be intimated later.

#### FIELD VISIT

A post-symposium field visit to the well-known Ramsar Site - Sambhar Lake shall be arranged. The tour will leave in the early morning of 7<sup>th</sup> March, 2020. This will be on payment basis, those who are interested in participating in the field visit may e-mail on: nsab2020@mdsuajmer.ac.inon or before February5, 2020. Fee is 2500/- per person (Including Conveyance and Food).

#### PLACES TO VISIT IN AJMER

Ajmer is a city with a unique blend of culture, history, and traditions. The city is home to several major attractions. Some of these are Dargah Sharif, Pushkar Lake, Brahma Temple, Taragarh Fort, Savitri Temple, Nasiyan Jain Temple, Akbar's Palace and Museum, Mayo College, Baradari on Lake Anasagar, Lake Foysagar, Adhai-din-ka-jhonpra, Rishi Udhyan, Bhinay Kothi and Nareli Jain Temple.



# **NATIONAL SYMPOSIUM** ANIMAL BEHAVIOUR FOCAL THEME: AVIAN ETHOLOGY





## **ORGANISED BY**





# THE ETHOLOGICAL SOCIETY OF INDIA (ESI)

Name: Mr/Ms/Dr/Prof	:		
Designation	:		
Institution	:		
Address for correspondence	:		
Telephone	:		
Mobile	:		
E-mail	:		
Fee Detail	:		
SB Collect Reference Number	:		
Title of the Paper	:		
Session & Code	:		
Mode of Attendance	:		
		Participation & Presentation	
		Oral Presentation	
		Poster Presentation	
		Participation only	
Post Symposium Field Trip			
		Field Trip	
Accommodation Required	:	Yes/No	
(Hostel Accommodation available	on pavr	nent basis - only for Students and Research Scholars)	

#### **CONTACT DETAILS**

Prof. Praveen Mathur

Conference Convener, Head, Department of Environmental Science, MDS University, Ajmer

E-mail: drpraveenmathur@gmail.com

Official Mail for Conference: nsab2020@mdsuajmer.ac.in Contact No. - 09414003023, Office: 0145 2788123 (Photocopy of registration form may be used)

Participant's Signature