

CURRICULAM VITAE

Name : **Ram Pratap Singh**
Father's Name : Shri Avdhesh Kumar Singh
Born : 05 July 1981, Budaun (U.P., India)
Education : MSc (Animal Science), PhD (Animal Science; 2009)
Current Position : **Prof. Ram Pratap Singh, PhD, MNASc**
& Address : **Chairperson, Department of Life Science**
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Professional Appointments	
June 2023 – Present	Professor , Department of Life Science, Central University of South Bihar, Gaya – Bihar
March 2023 – Present	Associate Faculty , Department of Biotechnology, Central University of South Bihar – Gaya
August 2022 – September, 2022	Visiting Professor , Center for Wildlife, Kyoto University, Kyoto, Japan
June 2020 – June 2023	Associate Professor , Department of Life Science, Central University of South Bihar, Gaya – Bihar
April 2018 – June 2020:	Senior Scientist , Avian Physiology and Genetics Division, Sálím Ali Centre for Ornithology and Natural History, Coimbatore, India
March 2012 – April 2018:	Scientist , Avian Physiology and Genetics Division, Sálím Ali Centre for Ornithology and Natural History, Coimbatore, India
September 2014 – August 2016:	Research Fellow, Smithsonian Conservation Biology Institute, Front Royal, Virginia, USA
January 2011 – March 2012:	Research Associate, Central Avian Research Institute, Izatnagar, India
May 2010 – November 2010:	Endeavour Research Fellow, School of Animal Biology, The University of Western Australia, Perth, Australia
April 2008 – February 2010:	Junior Research Fellow, Central Avian Research Institute, Izatnagar, India

Research interests: My major research interests include the reproductive biology of birds, especially rare and endangered species, mitigating infertility, developing assisted reproductive technologies, gamete cryopreservation, avian forensics, genome resource banking, avian genomics, etc. Our team has developed semen preservation and assisted reproductive technologies for a variety of common and rare species of birds and other animals. Currently, I am involved in developing species-specific DNA and feather signatures for birds to generate a comprehensive database for Indian birds which could be a valuable reference for forensic analysis and various other fields

including phylogenetics. My research on plumology soon would lead to India's first systematic 'Feather Atlas'.

Administrative Responsibilities:

July 2020 - Present	Head/Chairperson , Department of Life Science, Central University of South Bihar, Gaya – Bihar
July 2020 - Present:	Member Academic Council (AC) , Central University of South Bihar, Gaya – Bihar
July 2020 – December 2024:	Member Internal Quality Assurance Cell (IQAC) , Central University of South Bihar, Gaya – Bihar.
June 2022 - Present:	Member, Research and Development Cell (RDC) , Central University of South Bihar, Gaya – Bihar
July 2020 - Present:	Chairperson, Board of Studies , Life Science Department, Central University of South Bihar, Gaya – Bihar
July 2020 - Present:	Chairperson, Departmental Research Degree Committee (DRDC) , Life Science Department, Central University of South Bihar, Gaya – Bihar
July 2020 - Present:	Member, University Research Degree Committee (URDC) , Central University of South Bihar, Gaya – Bihar
July 2020 – July 2022:	Member, Board of Studies , Bioinformatics Department, Central University of South Bihar, Gaya – Bihar
July 2020 - Present:	Member, Board of Studies , Biotechnology Department, Central University of South Bihar, Gaya – Bihar
July 2020 – July 2022:	Member, Board of Studies , Environmental Science, Central University of South Bihar, Gaya – Bihar
July 2020 – June 2022:	Member, PhD Ordinance Revision Committee , Central University of South Bihar, Gaya – Bihar
June 2022 - Present:	Member, University Admission, Teaching and Evaluation Committee (UATEC) , Central University of South Bihar, Gaya – Bihar
July 2023 - Present:	Member, Board of Studies , Department of Physical Education, Central University of South Bihar, Gaya – Bihar
September 2024 - Present:	Chairperson, Institutional Animal Ethics Committee (IAEC) of Central University of South Bihar, Recognized by Committee for Control and Supervision of Experiments on Animals (CCSEA), Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India
March 2024 - Present:	Member NEP Cell, Central University of South Bihar, Gaya

November 2024 – Present:	Scientific Advisor , Srushti Conservation Foundation, Pune, Maharashtra
June 2024 – Present:	Deputy-coordinator, DST-PURSE , Central University of South Bihar, Gaya
July 2025 – Present:	Member Advisory Board, PMMT, CUSB, Gaya

Professional contributions / achievements: So far, his most important contribution is the establishment of ‘National Avian Forensic Laboratory (NAFL)’ at Salim Ali Centre for Ornithology and Natural History, Coimbatore, and a State-of-the-Art-Molecular Biology Facility (SAMBF) under DST-PURSE at Central University of South Bihar (CUSB), Gaya. Under Dr. Singh’s leadership, the NAFL also have started a Genome Resource Bank (GRB) for preserving biomaterials of birds for research and conservation purposes. It has already acquired biomaterials from 20% of the Indian birds and has helped resolve many intricate issues such as the one relating to the Mig-21 crash in Bikaner in 2019 due to bird hit. Dr. Singh has contributed significantly to developing MoEFCC’s Visionary Perspective Plan for Avian Conservation in India for 2020-2030. Dr. Singh has served as member of the ‘ad-hoc Animal Committee’ of the National Board for Wildlife, MoEFCC, Govt. of India. Dr. Singh also served as a member of various other committees of MoEFCC, Govt. of India, on ‘Alteration of Schedules of Wildlife (Protection Act), 1972’, ‘Farming and Trade in Japanese quail’ and ‘Research on the Wild Relatives of Domestic Animal Species’. Dr. Singh is also involved in preparing Bihar’s State Waterbird Conservation Action Plan and Biodiversity Strategy and Action Plan for River and Wetland Ecosystems and Landscapes in Bihar.

Research and other Grants: Dr. Singh has obtained over 1763 Lakh Rupees funding for research and other academic activities from various national and international agencies such as the Indian National Science Academy (INSA), Department of Science and Technology (DST), Department of Biotechnology (DBT), Ministry of Environment, Forest and Climate Change (MoEFCC), Indo-U.S. Science and Technology Forum (IUSSTF), United States-India Education Foundation (USIEF), Fulbright Commission – USA, Smithsonian Institution – USA, University of Maryland – USA, The Royal Society of Edinburg – Scotland, Government of Australia, Poultry Foundation – The Netherlands, The Society for the Study of Reproduction – USA, Japan Society for the Promotion of Science – Japan, World’s Poultry Science Association – Brazil, World’s Poultry Science Association – Australia, and British Poultry Science – UK.

Research grants

1. Biodiversity and ecosystem services studies on Gaya and Muzzafarpur (Bihar State Biodiversity Board, Lead PI, 32 Lakh, PI)

2. Understanding and mitigating climate change impacts on livestock: A mission mode research initiative to improve health and strengthen food security under the vision of Atmanirbhar (ANRF, Co-PI, 125 Lakh)
3. Development of Indigenous technologies for human health and mitigating climate change effects to make Atmanirbhar Bharat (DST-PURSE, Deputy Coordinator and Lead PI, 706 Lakh)
4. Development of gamete preservation technology for avian conservation (DST-JSPS, India-Japan Cooperative Science Programme, PI, 22 Lakh)
5. Identify drivers of co-operative breeding in Yellow billed-babbler (*Turdoides affinis*) using molecular and physiological tools – PI (SERB, 4742920.00)
6. Establishment of National Avian Forensic Laboratory at SACON for National Certification for Illegal Trafficking of Birds – PI (MoEFCC, 815 lakhs)
7. Identification of RNA transcripts present in chicken sperm and their relation to fertility – PI (DST, 21 lakhs)
8. Optimization of testis organ culture conditions for in vitro sperm production - PI (Fulbright Scholarship, \$75000)
9. In-vitro sperm function tests of avian sperm using fluorescent probes in flow cytometer - PI (Government of Australia, AUD 24000)
10. Development of a microfluidic gas-liquid interphase 3-D tissue explant culture chip for fertility preservation – Co-PI (University of Maryland-Smithsonian seed grant, USA, \$46200)
11. Population status, ecology and conservation of the Indian Swiftlet (*Aerodramus unicolor*) in West Coast and Offshore Islands in the Western Ghats of Maharashtra – Co-PI till June 2020 (MoEFCC, 49.77 lakhs)
12. Understanding dispersal patterns in the monomorphic edible-nest swiftlet of Andaman Islands using biotechnological tools – Co-PI (DBT, 46 lakhs)
13. Assess the association of avifauna with rocky tide pool ecosystems along the Indian Coast (MoEFCC, 35 Lakh, Co-PI)
14. Mitigation and management strategy for Bird and Wildlife Hazards at Gaya International Airport, Bihar (Airport Authority of India, PI, 14 Lakh)

Consultancy grant:

1. Strengthening Biosecurity Systems in India (UNEP)
2. Sub-plan for the protection of sloth bear in Gaya Forest Division (Gaya Forest Department)

Academic awards / fellowships: Dr. Singh has received several national and international fellowships/awards.

2025: Member , National Academy of Sciences, India
2019: Bilateral Exchange Fellowship by Indian National Science Academy & Scottish Science Academy, Scotland

2019: Fulbright-Alumni Award by United States-India Education Foundation (USIEF), New Delhi
2016: Larry Ewing Memorial Trainee Travel Fund to attend 49 th Meeting of SSR in San Diego, USA
2015: Best Oral Presentation Award, XXXII Annual Conference of Indian Poultry Science Association
2014: INSA Medal for Young Scientist , Indian National Science Academy
2014: Fulbright Fellowship , United States – India Education Foundation
2013: Indo-US Research Fellowship , Indo-US Science and Technology forum
2012: Young Scientist Award , The XXIV World's Poultry Congress, Brazil
2012: Young Scientist Travel Award, World's Poultry Science Association, The Netherlands
2012: Young Scientist from a Developing Country Travel Award, 17 th International Congress on Animal Reproduction, Canada
2012: DST Fast Track Young Scientist Research Grant, DST
2011: DBT-Research Associateship Award, IISc Bangalore (a DBT funded program)
2010: Endeavour Research Fellowship Award , Government of Australia
2010: J. N. Pandey Memorial Award for best research paper, XX Annual conference of Society of Animal Physiologist of India, Kolkata
2008: Youth Program Fellowship Award in 23 rd World's Poultry Science Congress, Australia

Membership / association with professional bodies: I am a member of National Academy of Sciences, an executive member of the Association of Avian Biologist of India (AABI), member of International Ornithology Union (IOU), Society for the Study of Reproduction (USA), Society of Animal Physiologists of India, World's Poultry Science Association, and Indian Poultry Science Association. Dr. has been a regular reviewer for over 25 reputed international professional journals, and proposals for various national and international funding agencies.

Academic Services:

- **Associate Editor** for the Journal, Mitochondrial DNA Part B, published by Taylor and Francis, UK.
- Ad hoc reviewer for scientific journals: The FASEB Journal, Scientific Reports, Avian Biology, Molecular and Cellular Endocrinology, Theriogenology, Reproduction in Domestic Animals, Genome, International Journal of Biometeorology, Annals of Animal Science, British Poultry Science, Ecotoxicology and Environmental Safety, Asia-Australasia Journal of Animal Science, The European Journal of Zoology, PlosOne, Molecular Biology Reports,

Frontiers in Physiology, Canadian Journal of Veterinary Research, Frontiers in Veterinary Science,

Guest faculty:

- I. MoEFCC sponsored compulsory training for IFS officers (2020)
- II. GSDP – Bharathiar University, Coimbatore (2019)
- III. UGC-Centre for Human Resource Development, Bharathiar University, Coimbatore (2019)
- IV. Reproductive management of endangered animals at Smithsonian Conservation Biology Institute, USA (2015)
- V. DST-SERB School in Avian Biology at Salim Ali Centre For Ornithology and Natural History, Coimbatore (2014)
- VI. International training course on 'Vent chick sexing' at Central Avian Research Institute, Izatnagar (2014)
- VII. International training course on 'Gene based techniques for research in biotechnology' at Indian Veterinary Research Institute, Izatnagar (2013)
- VIII. International training course on 'Gene based techniques for research in biotechnology' at Indian Veterinary Research Institute, Izatnagar (2012)

Contribution to academic work in academic institutions/universities

- External Practical Examiner, PG Department of Zoology, Magadh University, Bodh Gaya (12/08/2025)
- Subject Expert, National Testing Agency, Ministry of Education, Government of India (16-21/12/2024)
- PhD Thesis Examiner Lucknow University (June 2025)
- PhD Thesis Examiner, Baba Ghulam Shah Badshah University, Rajouri (March, 2025)
- PhD Thesis Examiner, Baba Ghulam Shah Badshah University, Rajouri (January, 2024)
- Faculty Selection Committee Member, Department of Life Science, CUSB (01/08/2024)
- Nominate member to attend the training program on 'Content creation and Teaching through Bharatiya Languages' Central University of South Bihar, Gaya (31/01/2024)
- Member, Viva-voce Board, Department of Bioinformatics, CUSB, Gaya (19/04/2023)
- Member, Viva-voce Board, Department of Environmental Science, CUSB, Gaya (25/07/2023)

- Member, Viva-voce Board, Department of Life Science, CUSB, Gaya (14/07/2023)
- External Practical Examiner, Department of Environment and Sustainable Development, Banaras Hindu University, Varanasi (10/02/2023)
- External Practical Examiner, PG Department of Zoology, Magadh University, Bodh Gaya (08/11/2023)
- PhD Thesis Examiner, Bharathidasan University, Tamil Nadu (26/10/2023)
- Member, Viva-voce Board, Department of Life Science, CUSB, Gaya (11/07/2022)
- Chairperson, Viva-Voce Board, Department of Life Science, CUSB, Gaya (30/06/2022)
- Member, Viva-Voce Board, Department of Biotechnology, CUSB, Gaya (15/06/2021)
- Member, CSIR Fellowship Review Committee, Banaras Hindu University
- Subject Expert in Research Advisory Committee for Mr. Harshal Karve and Mr. Siddhesh Bhawe, Maharishi Dayanand College of Arts, Science and Commerce, Mumbai University, Mumbai (31/12/2020)
- Subject Expert in Research Advisory Committee for Mr. Rahul Kumar and Mr. Vikash Kumar, Mahatma Gandhi Central University, Motihari (31/12/2020)
- Subject Expert in Research Advisory Committee for Ms. Anju R Nath, Department of Bioinformatics, Bharathiar University, Coimbatore (06/11/2020)

Other administrative contributions

- Member, Fact Finding Committee of Department of Biotechnology (29/08/2025)
- Member, Fact Finding Committee of Department of Political Science (29/08/2025)
- Member Adhoc In-house Advisory Committee of the DBT-PG Program, Department of Biotechnology, CUSB, Gaya (28/03/2025)
- Member, selection committee for participants in 'One week High-End Workshop on Geospatial Technology on Groundwater Resources Management' sponsored by Science and Engineering Research Board, Government of India, Department of Geology, CUSB (05/03/2024)
- Member, evaluation panel for EMBO, IndiaBioscience Online Course on Scientific Presentations, NCBS-TIFR, GKVK Road, Bengaluru – 65 (26/08/2025)
- Member, Finalization of Memorandum of Understanding between CUSB and ICMR-RMRIMS (01/09/2021)
- Convener, Committee to propose Plan of Action and motivate youths for making CUSB campus carbon neutral, Central University of South Bihar, Gaya (02/06/2023)

- Member, Committee to finalize the Standard Operating Procedures (SOP) of Central Instrumental Facility (CIF), Central University of South Bihar, Gaya (18/02/2022)
- Member, Preparatory Committee of Alumni Affairs & Association, Central University of South Bihar, Gaya (18/03/2021 to till date)
- Member, Committee for Review of PhD Ordinance, Central University of South Bihar, Gaya (17/03/2021)
- Member, committee to estimate overall requirements of ICT devices and additional Teaching-Learning gadgets to facilitate online Teaching-Learning activity in Central University of South Bihar, Gaya (21/10/2020)
- Member, Poster Evaluation Committee, on National Statistics Day, Department of Statistics, Central University of South Bihar, Gaya (29/06/2022)
- Member, Selection Committee for project Staff selection (RP66), Central University of South Bihar, Gaya (27/05/2022)
- Chairperson, Selection Committee for project Staff selection (RP63), Central University of South Bihar, Gaya (15/04/2022)
- Co-Chairperson, Selection Committee for project Staff selection (RP111), Central University of South Bihar, Gaya (04/08/2025)
- Member, Selection Committee for project Staff selection (RP72), Central University of South Bihar, Gaya (11/05/2022)
- Judge in the speech and poster competition on Earth day organized by the Department of Environmental Sciences, Central University of South Bihar, Gaya (22/04/2022)

Conference/ Symposium/workshop organized:

- I. National Symposium on Avian Biology – 2022 (9-11 November, 2023) at Central University of South Bihar, Gaya
- II. Outstation Convener, XLVI Indian Social Science Congress (27-31/01/2023)
- III. Workshop on “Tools and Techniques to Study Birds” (12-13 November, 2023) at Central University of South Bihar, Gaya
- IV. Workshop on “Climate Change and Sustainable Agriculture” (1-2 September, 2022) at Central University of South Bihar, Gaya
- V. Member, School level committee to organize webinar/seminar, School of Earth, Biology and Environmental Sciences, CUSB, Gaya (02/07/2020)
- VI. Conservation Genetics Workshop (15-20 January 2018) at Salim Ali Centre for Ornithology and Natural History, Anaikatty, Coimbatore
- VII. Hands on Training Workshop for Biological Sample Collection (2018) to Forest Guards and Forest Rangers of Tamil Nadu Forest Department
- VIII. Conservation Genetics Workshop (5-9 June 2017) at Salim Ali Centre for Ornithology and Natural History, Anaikatty, Coimbatore
- IX. SACON Silver Jubilee Workshop on 24-25 November 2016 in Port Blair

- X. Student symposium – 2016 at Smithsonian Conservation Biology Institute, USA
- XI. Organizing committee member of 2nd International Conference on Indian Ornithology, 2013 organized by Salim Ali Centre for Ornithology and Natural History, Coimbatore
- XII. Convener of Pre-conference workshop during 2nd International Conference of Indian Ornithology 2013

Services to government agencies:

- Scientific advisor, Shruti Conservation Foundation, Pune
- Member, Asian Waterbird Census India Coordinators organized by the Department of Environment, Forest and Climate Change, Government of Bihar on 11-11 May, 2025.
- Expert member, State Biodiversity Strategy and Action Plan – River and Wetland Ecosystems and Landscapes, Bihar State Biodiversity Board, Government of Bihar, 27/07/2025
- Student Advisor, Bihar State Biodiversity Board, Government of Bihar (10/07/2025)
- Subject expert, Uttar Pradesh Public Service Commission (UPPSC), Government of Uttar Pradesh
- Subject Expert, National Testing Agency (NTA), Ministry of Education, Government of India
- Subject Expert for developing a policy for strengthening biosecurity systems in India, UN Environmental Program, India (05/08/2020)
- Coordinator – Asian Waterbird Census for south Bihar Region
- Doctoral advisory committee member at Mahatma Gandhi Central University, Motihari, Bihar.
- Doctoral advisory committee member at Bharathiar University, Coimbatore.
- Doctoral advisory committee member at Mumbai University.
- Committee member for inspection of Aviaries at Sardar Patel Zoological Park, Kevadia, Gujarat
- Member of Ministry of Environment, Forest and Climate Change committee on “Alteration of Schedules of Wild life (Protection Act), 1972”
- Member of ‘ad-hoc Animal Committee’ of Ministry of Environment, Forest and Climate Change, New Delhi
- Member of Ministry of Environment, Forest and Climate Change committee on “farming and trade in Japanese quail”
- Member of Ministry of Environment, Forest and Climate Change committee on ‘research on the wild relatives of domestic animals species’
- Member of Technical Committee, Bharathiar University, Coimbatore

Training / Capacity development: Dr. Singh has conducted extensive skill-based training programs for in-service and probationer Indian Forest Service Officers, State Forest department Officials, UG and PG students, and Research Scholars. He looks forward to organizing such programs soon as a means of capacity development in staff associated with such professional activities.

Dissertation Supervision: PhD: Awarded (Two), Ongoing (Six); MSc: Awarded (22)

Student name	PhD dissertation title	Status
Swapna Devi Ray	Molecular markers and feather microstructures of select traded avian species in Assam	Awarded
Prathamesh Hemant Gurjarpadhye	Population dynamics of the edible-nest swiftlet <i>Aerodramus puciphagus inexpectatus</i> in the Andaman Islands	Awarded
Preteek Dey	Assessment of genomic variations in domestic and wild quails	Submitted
Divya Kumari	Studies on Asian openbill stork in Gaya city	Ongoing
Trish Mondal	Studies on cross-species microsatellite and cooperative breeding in babblers	Ongoing
Imran Sk	Studies on nesting ecology and breeding biology of the jungle babbler <i>Argya striata</i>	Ongoing
Manisha Kumari	Studies on chemical mediated sex-reversal in domestic chicken	Ongoing
Samrat Sampat Senapaty	Completing course work	Ongoing

Publication Matrix:

Publication Matrix	Number
Original Research Articles (ORA) with impact factor	53
Original Research Articles (ORA) without impact factor	26
Books edited/ authored	02
Reviews	01
Book Chapters	03
Abstract/ Conference proceedings	75
General articles	10
Total Publications	170
SCIENTIFIC ACHIEVEMENT INDEX (in terms of ORA)	
Total Impact Factor Accrued of ORA with impact factor	113
Average Impact factor	2.13
h-index	19
i-10 index (Google Scholar)	30
RI Score (Research Interest Score)	591
Total citations	908
Reads	19345

LIST OF JOURNALS IN WHICH ORIGINAL RESEARCH ARTICLES HAVE APPEARED					
S. No.	Journal Name	Publisher	Latest IF	No. of articles	Total IF
1	Food Control	Elsevier	6.3	1	6.3
2	Ecotoxicology and Environmental Safety	Elsevier	6.1	1	6.1
3	World Journal of Microbiology and Biotechnology	Springer Nature	4.2	1	4.2
4	Environmental Toxicology and Chemistry	Oxford Academic	3.8	2	7.6
5	Heliyon	Cell Press	3.6	1	3.6
6	World's Poultry Science Journal	WPSA	3.5	1	3.5
7	Animal Reproduction Science	Elsevier	3.3	1	3.3
8	Discover Sustainability	Springer Nature	3	1	3
9	Gene	MDPI	2.8	1	2.8
10	Theriogenology	Elsevier	2.5	7	17.5
11	Asian Australasian Journal of Animal Science	AAAAPS	2.5	4	10
12	Plos One	Plos	2.4	1	2.4
13	Genome	Canadian Science Publishing	2.3	1	2.1
14	Proceedings of the Indian National Science Academy	Springer Nature	2.1	1	2.1
15	Reproduction Fertility and Development	CSIRO	2.1	2	4.2
16	Cryobiology	Elsevier	2.1	2	4.2
17	British Poultry Science	Taylor & Francis	2.1	3	6.3
18	Livestock Science	Elsevier	1.9	1	1.9
19	General and Comparative Endocrinology	Elsevier	1.7	1	1.7
20	Reproduction in Domestic Animals	Wiley	1.7	1	1.7
21	Biologia	Springer Nature	1.6	1	1.6
22	Journal of Equine Veterinary Science	Elsevier	1.6	1	1.6
23	Journal of Veterinary Science	KSVS	1.5	1	1.5
24	Birds	MDPI	1.4	1	1
25	Data in Brief	Elsevier	1.4	1	1.4
26	Journal of Ornithology	Springer Nature	1.4	1	1.4
27	BioSystems	Elsevier	1.9	1	1.9
28	Conservation Genetics Resources	Springer Nature	0.9	1	0.9
29	Mitochondrial DNA Part B	Taylor & Francis	0.7	1	0.7
30	Waterbirds	BioOne	0.6	1	0.6

31	Turkish Journal of Veterinary and Animal Science	Tubitak	0.6	1	0.6
32	Journal of Threatened Taxa	ZOO OUTREACH ORGANISATION	0.54	2	1.08
33	Biology Bulletin	Springer Nature	0.5	2	1
34	Indian Journal of Animal Science	ICAR	0.3	2	0.6
35	Discover Sustainability	Springer Nature	3.0	1	3.0

Publications:

1. Perumal S, Kolluri G, **Singh RP**, Mohan J, Tyagi JS (2026). In-vivo exposure to Bisphenol-A altered the reproductive functionality in male *Coturnix coturnix Japonica* (Domesticated Japanese quail). **Environmental Toxicology**, <https://doi.org/10.1002/tox.70079>
2. Divya K, Mondal T, Imran Sk, Azeez PA, Singha H, **Singh RP** (2025). Nest robbing behaviour of Asian Openbill *Anastomus oscitans* from its conspecies' nest. **Waterbirds**, **48(2)**, 1-4.
3. Gurjarpadhye P, Kawalkar D, Manchi S, **Singh RP** (2025). Estimating the population and related dynamics of the cave-dwelling Edible-nest Swiftlet in the Andaman Islands: Population estimation and related dynamics in Edible nest Swiftlet. **Ornis Fennica**, 102(2): 61-72.
4. Kumari D, Mondal T, SK Imran, Singha H, **Singh RP** (2025). Nesting Ecology of Asian Openbills in an Urban Landscape: A Case Study from Gaya, India. **Discover Sustainability** 6, 1210. <https://doi.org/10.1007/s43621-025-02118-4>.
5. SK Imran, Kumari M, Mondal T, Kumari D, Senapaty SS, Azeez PA, Singha H, **Singh RP** (2025). A comprehensive avifaunal checklist of Central University of South Bihar, Gaya, India. **Discover Life**, 55:26. <https://doi.org/10.1007/s11084-025-09707-3>.
6. Ray SD, Dey P, Sastry KVH, **Singh RP** (2025). Mitogenomic insights into *Spilopelia chinensis* species complex: A comparative study of mitogenomes from India and China. **Biology Bulletin**, 52:141.
7. Dey P, Sastry KVH, **Singh RP** (2025). A PCR-RFLP method for distinguishing closely related *Coturnix coturnix* and *Coturnix japonica*: forensics and conservation implications. **Birds**, 6(2):28. <https://doi.org/10.3390/birds6020028>
8. Dey P, Ray SD, Kochiganti VHS, Pukazhenth BS, Koepfli K-P, **Singh RP** (2024). Mitogenomic Insights into the Evolution, Divergence Time, and Ancestral Ranges of *Coturnix* Quails. **Genes**, 15(6):742. <https://doi.org/10.3390/genes15060742>
9. Ray SD, Olga S, Dey P, Ray SD, Goldin Q, Pramod P, **Singh RP** (2024). Macro- and Microstructural Features from the Feathers of Four Columbidae Species. **Biology Bulletin**, 51(3): 684-699. <https://doi.org/10.1134/S106235902360650X>.
10. Pawan C, Sharma SK, Dey P, Ray SD, Pramod P, **Singh RP**. (2023). Feather characterization of grey junglefowl (*Gallus sonneratii*): a detailed study on feather morphometry for forensic use. **Journal of Bombay Natural History Society**, 121: DOI: 10.17087/jbnhs/2024/v121/166144.

11. Dey P, Ray SD, Pramod P, **Singh RP**. (2023). Dataset from Genome Sequencing, Assembly and Mining of Microsatellite Markers in Barred-Button Quail (*Turnix Suscitator*). **Data in Brief**, 48: 109288.
12. Ray SD, Quadros G, Dey P, Pramod P, **Singh RP** (2023). Wildlife casualties from the road-stretches adjacent to two national parks of Assam, North-East India. **Asian Journal of Conservation Biology**, 12: 314-325.
13. Ray SD, Dey P, Sarkar I, Sharma SK, Quadros G, Pramod P, Sastry KVH, **Singh RP**. (2023). Complete mitogenome of common myna (*Acridotheres tristis*) – characterization and phylogenetic implications. **Biologia**, 78: 1079–1091.
14. Mondal T, Dey P, Kumari D, Ray SD, Quadros G, Sastry KVH, **Singh RP**. (2023). Genome survey sequencing and mining of genome-wide microsatellite markers in yellow-billed babbler (*Turdoides affinis*). **Heliyon**, 9: e12735.
15. Ray SD, Quadros G, Dey P, Pramod P, **Singh RP**. (2022). Feather characteristics of Common Myna *Acridotheres tristis* (Passeriformes: Sturnidae) from India. **Journal of Threatened Taxa**, 14(6): 21161–21169.
16. Sarkar I, Dey P, Singh GD, **Singh RP** (2022). Global genomic and proteomic analysis indicates co-evolution of *Neisseria* species and with their human host. **World Journal of Microbiology and Biotechnology**, 38. <https://doi.org/10.1007/s11274-022-03338-w>.
17. Dey, P., Ray, S. D., Manchi, S., Pramod, P., Kochiganti, V. H. S., & Singh, R. P. (2022). Whole genome sequencing and microsatellite motif discovery of farmed Japanese quail (*Coturnix japonica*): a first record from India. **Proceedings of the Indian National Science Academy**, 88(4), 688-695.
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44. Shit N, Sastry KVH, **Singh RP**, Pandey NK, Agarwal R, Mohan J. (2013). Liaison of sexual maturation with tissue growth, mRNA expression of IGF-1, luteinizing and progesterone hormone receptor, survivin gene and serum biochemical profile in Japanese quail hens. In: Proceedings of XXX Conference & National Symposium of Indian Poultry Science Association (22-23 November, 2013), CARI, Izatnagar-243 122 (UP) INDIA. Please see page 119.
45. **Singh RP**, Agarwal R, Pandey NK, Sastry KVH, Mohan J, Saxena VK. (2012). Chicken sperm steroid hormone receptors: future marker for fertility and hatchability prediction. Proceedings of 24th World Poultry Science Congress, Salvador-Bahia, Brazil.
46. **Singh RP**, Pandey NK, Saxena VK, Tomer S. (2012). Expression analysis of various growth factors, receptors and profiles of growth traits in IGF1 genotypes of Indian colored parent line broilers. Proceedings of 24th World Poultry Science Congress, Salvador-Bahia, Brazil.
47. Khillare GS, Sastry KVH, **Singh RP**, Agrawal R, Mudgual RP, Mohan J. (2012). Role of acid Phosphatase enzyme in the SSTs of Japanese quail oviduct during maturation. XXIX Annual Conference and National Symposium of Indian Poultry Science Association, Hyderabad, India (November 2012), pp. 268.
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49. Shit N, Sastry KVH, **Singh RP**, Agrawal R, Singh R, Pandey NK, Mudgual RP. (2012). Effect of stress on the mRNA expression of growth regulating, apoptotic and stress mediating genes in the hierarchical follicles of Japanese quail hens (*Coturnix coturnix japonica*). XXIX Annual Conference and National Symposium of Indian Poultry Science Association, Hyderabad, India (November 2012), pp. 389.

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51. Shit N, Sastry KVH, Agrawal R, Singh R, **Singh RP**, Pandey NK, Mohan J. (2012). Effect of stress on body weight, ovary and oviducal regression and serum biochemical profile in Japanese quail hens (*Coturnix coturnix japonica*): XXIX Annual Conference and National Symposium of Indian Poultry Science Association, Hyderabad, India (November 2012), pp. 207.
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53. Agarwal R, Sastry KVH, **Singh RP**, Saxena R, Tripathi V, Mohan J. (2011). Effect of feed withdrawal and dietary organic zinc with chromium on the post molt egg quality parameters of White Leghorn hens. In: XXVIII Annual conference & Proceeding of International Symposium of Poultry Science Association, 22-24 December 2011, Patna, Bihar, pp. 87.
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57. Agarwal R, Sastry KVH, **Singh RP**, Mohan J, Saxena VK, Moudgal RP. (2011). Expression profile of HSP-70 and survivin in ovary and oviduct of WLH hens during molting induced by high zinc diet. XX Annual conf. of SAPI, Nov. 2-4, 2011, WBUA&FS, Kolkata, pp. 98.
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- serum biochemical profiles in Japanese quail (*Coturnix coturnix japonica*). XX Annual conf. of SAPI, Nov. 2-4, 2011, WBUA&FS, Kolkata, pp. 145.
59. **Singh RP**, Sastry KVH, Agarwal R, Mohan J, Saxena VK, Moudgal RP. (2011). Male cloacal gland in reproductive success in Japanese quail (*Coturnix coturnix japonica*). XX Annual conf. of SAPI, Nov. 2-4, 2011, WBUA&FS, Kolkata, pp. 229.
 60. Madnurkar AD, Moudgal RP, MohanJ, **Singh RP**, Sastry KVH, Sirazudeen M, Tyagi JS. (2011). Impact of phytoestrogens (PULSETTM) and feed restrictions at endocrine and molecular levels in regulating the reproductive functioning of broiler pullets. XX Annual conf. of SAPI, Nov. 2-4, 2011, WBUA&FS, Kolkata, pp. 230.
 61. Nhit N, Sastry KVH, **Singh RP**, Agarwal R, Singh R, Pandey N, Moudgal RP. (2011). Effect of stress on mRNA expression of growth regulating, apoptotic and stress mediating genes in hierarchical follicles of Japanese quail hens (*Coturnix coturnix japonica*). XX Annual conf. of SAPI, Nov. 2-4, 2011, WBUA&FS, Kolkata, pp.145.
 62. **Singh RP**, Sastry KVH, Shit N, Pandey NK, Singh KB, Mohan J, Moudgal RP. (2010). Development of a semen diluent and artificial insemination techniques for Japanese quail (*Coturnix coturnix japonica*). Proceedings of XIII European Poultry Conference Tours, France, 2010.
 63. Pandey NK, **Singh RP**, Saxena VK, Singh R, Sastry KVH, Sharma RK, Singh BP. (2010). Differential expression profile of growth related genes in IGF-1 SNP genotypes of Indian colored broilers. Proceedings of XIII European Poultry Conference Tours, France, 2010.
 64. Singh R, Jain P, Saxena VK, Pandey NK, **Singh RP**, Nandedkar PV, Saxena M, Singh KB, Ahmed KA. (2010). Nitric oxide estimation and temporal mRNA expression of IFN- γ and iNOS in response to *Salmonella typhimurium* in chicken immunodivergent lines selected for cutaneous hypersensitivity. Proceedings of XIII European Poultry Conference Tours, France, 2010.
 65. Dubey PK, Nath A, Tripathi V, **Singh RP**, Sharma GT. (2010). Localization and expression of endothelial nitric oxide synthase (eNOS) in buffalo ovary during different stages of follicular development". International Conference, organized by SAPI, 11-13 Nov. 2010 held at IVRI, Izatnagar, Bareilly.
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67. Shit N, **Singh RP**, Sastry KVH, Pandey N, Mohan J, Moudgal RP. (2010). Relationship between cloacal gland size and physio-biochemical characteristics of semen in two lines of Japanese quail (*Coturnix coturnix japonica*). In: 10th Indian Veterinary Congress and XVII Annual conference of IAAVR and National Symposium on "Newer Challenges in Veterinary Research and Education Vis-à-vis Safe Animal, Food and Human Health" 11-12 March, 2010, College of Vety. Sci. & A.H., Jabalpur- 482001 (M.P).
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70. Anish D, Ahuja A, **Singh RP**, Pandey NK, Shit N, Radha, Moudal RP, Sastry KVH, Mohan J. (2009). Expression profile of Estrogen and Progesterone receptor mRNA in the oviduct of moulting chicken. 18th annual conference of society of animal physiology of India, Bangalore. Page No. 59.
71. Anish D, Sastry KVH, Shit N, **Singh RP**, Ahuja A, Bagath M, Mohan J, Moudgal RP. (2008). Use of chromium as an alternative moulting method in White Leghorn hens. 17th annual conference of society of animal physiology of India, Pantnagar. Page No. 87.
72. **Singh RP**, Sastry KVH, Ahuja A, Pandey NK, Shit N, Agarwal R, Singh KB, Mohan J, Moudgal R P. (2008). Partial purification and characterization of lactate dehydrogenase from quail seminal plasma (*Coturnix coturnix japonica*). Silver jubilee annual conference & national symposium on Poultry production: opportunity and threats. Page No. 543.
73. Shit N, Sastry KVH, **Singh RP**, Ahuja A, Anish D, Mohan J, Moudgal RP. (2008). Development of suitable semen diluents and its effect on fertility in Japanese quail (*Coturnix coturnix japonica*). Silver jubilee annual conference & national symposium on Poultry production: opportunity and threats. Page No. 531.
74. Pandey NK, Saxena VK, Sharma RK, **Singh RP**, Singh BP. (2008) Analysis of SNP within IGF-1 promoter in colored male broiler parent line. IX Annual conference of Indian society of animal genetics & breeding & National Symposium on Livestock Genomics in Productivity Enhancement for Food Security. Page No. 125.

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Genomic Data Generated

WHOLE GENOME OF BIRDS GENERATED				
	<i>Species name</i>	<i>BioSample</i>	<i>SRA</i>	<i>Bioproject Accession</i>
1	Common quail	SAMN39610750	SRR27727407	PRJNA1069095
2	Spotted dove	SAMN34229785	SRR24201958	PRJNA956740
3	Japanese quail	SAMN28561720	SRR19344531	PRJNA840867
4	Common myna	SAMN27737813	SRR18885543	PRJNA830721
5	Jungle bush quail	SAMN26553717	SRR18286789	PRJNA814441
6	Jungle bush quail	SAMN26551599	SRR18286484	PRJNA814426
7	Yellow billed babbler	SAMN26343563	SRR18188812	PRJNA811562
8	Barred button quail	SAMN25996056	SRR18050964	PRJNA807611
WHOLE MITOGENOMES OF BIRDS GENERATED				
	<i>Species</i>	<i>Accession no.</i>		
1	Common quail	PP212854.1		
2	Japanese quail	PP209356.1		
3	Yellow billed babbler	OR854646.1		
4	Spotted dove	OQ834935.1		
5	Barred button quail	NC_084184.1		
6	Common myna	OK542103.1		
7	Plum-headed parakeet	NC_054153.1		
BARCODES (MITOCHONDRIAL COX1) FOR BIRDS GENERATED				
1	Eurasian Collared Dove	OL677206		
2	Eclectus Parrot	OL677204		
3	Eurasian Teal	OL677203		
4	House Crow	OL677185		
5	Common Flameback Woodpecker	OL657061		
6	Common Hawk- cuckoo	OL657059		
7	Eurasian Coot	OL657057		

8	Cattle Egret	OL657056
9	Cockatiel	OL657050
10	Caspian Tern	OL657049
11	Blue-faced Malkoha	OL657032
12	Common Pigeon	OL657030
13	Brahminy Kite	OL657029
14	Blue bearded Bee-eater	OL657028
15	Black winged stilt	OL638144
16	Black Swan	OL638140
17	Black Kite	OL638139
18	Black Drongo	OL636348
19	Barred Buttonquail	OL636338
20	Common myna	OL634962
21	Barn Owl	OL634961
22	Asian Koel	OL634960
23	Indian Pitta	OL634868
24	Alexandrine Parakeet	OL580768
OTHER GENBANK SUBMISSIONS		
1	LDH-A, Japanese quail	GU062396
2	LDH-B. Japanese quail	GU062397
3	Androgen receptor, Japanese quail	GQ369442
4	Caspase_9, chicken	GU230770
5	caspase_8, chicken	GU230772
6	Caspase_6, chicken	GU230785
7	Caspase_3, chicken	GU230786
8	Caspase_2, chicken	GU230787
9	Calbindin, chicken	GU230771
10	C-kit, chicken	GU230773
11	Mineralocorticoid, chicken	GU230774
12	Glucocorticoid, chicken	GU230775
13	Hsp-70, chicken	GU230776
14	IL-8, chicken	GU230777
15	iNOS, chicken	GU230778
16	IL-6, chicken	GU230779
17	MMP-16, chicken	GU230780
18	Survivine, chicken	GU230781
19	Th_R_beta, chicken	GU230782
20	Bcl-xl, chicken	GU230783
21	beta_actin, chicken	GU230784
22	TNF_alfa, chicken	GU230788

23	BCL-XL, chicken	HM587996
24	HsP-70, chicken	HM587997
25	BOK, chicken	HM587998
26	Caspase_2, chicken	HM587999
27	Caspase_8, chicken	HM588000
28	LH-R, chicken	HM588001
29	Progesterone-R, chicken	HM588002
30	Survivine, chicken	HM588003
31	Trail, chicken	HM588004

Conference/Seminar/Symposium/Meeting attended:

- Invited speaker in Seminar on 'Functional Biology: Exploring New Frontiers' organized by Department of Zoology, Chaudhary Charan Singh University, and Meerut (10-11/02/2025)
- Session Chair, National Conference on Advances in Drug Discovery, Development & Delivery: Challenges and Opportunities, Organized by the department of Pharmacy, CUSB Gaya (23-25/04/2025)
- Invited speaker in National Symposium of Avian Biology organized by Department of Environment Science, Graphic Era (Deemed to be University), Dehradun (23-25/02/2024).
- Session Chair, National Symposium of Avian Biology organized by Department of Environment Science, Graphic Era (Deemed to be University), Dehradun (23-25/02/2024).
- Organized a virtual orientation program by USIEF, New Delhi on 31/05/2022
- Session Chair, National Conference on Bioinformatics and Biological Research organized by Department of Bioinformatics, Central University of South Bihar, Gaya (21-23/11/2024)
- Invited Speaker, National Seminar on 'Current Environmental Issues and Sustainable Development for Human Welfare' organized by PG Department of Zoology, Magadh University, Bodh Gaya (11/09/2024)
- Co-Chair, Technical Session under the theme 'Sustainable Agriculture' in 'Bodoland International Knowledge Festival' organized by Bodoland Territorial Region (BTR) Government, Kokrajhar, Assam (27/02/2023 to 02/03/2023)
- Invited Speaker, on the topic 'Sustainable Poultry Production' in 'Bodoland International Knowledge Festival' organized by Bodoland Territorial Region (BTR) Government, Kokrajhar, Assam (27/02/2023 to 02/03/2023)
- Judge for the poster presentation under the theme 'Sustainable Agriculture' in 'Bodoland International Knowledge Festival' organized by

Bodoland Territorial Region (BTR) Government, Kokrajhar, Assam (27/02/2023 to 02/03/2023)

- Judge for the oral presentation under the theme 'Sustainable Agriculture' in 'Bodoland International Knowledge Festival' organized by Bodoland Territorial Region (BTR) Government, Kokrajhar, Assam (27/02/2023 to 02/03/2023)
- Invited speaker on the topic 'The role of the male cloacal gland foam in reproductive success in Japanese quail' in the 13th International Symposium on Avian Endocrinology at Chaudhary Charan Singh University, Meerut (18/03/2024)
- Invited Speaker on the topic "Role of Forensics in Curbing Illegal Avian Trade" and resource person in the International Workshop on 'Bird Conservation initiatives in India with a special focus on illegal hunting, taking and trade of wild birds – Conservation and Management issues & Concerns – South Asia Regional Perspectives' organized by the Department of Environment, Forest and Climate Change, Government of Bihar (05-07/07/2024)
- Participated in XXIX Annual Conference on 'Recent approaches to escalate livestock productivity under current socio-economic scenario' organized by Bihar Animal Science University, Patna (25-26/02/2021)
- Invited Speaker, in the workshop on 'Climate Change and Sustainable Agriculture' organized by Department of Life Science, Central University of South Bihar, Gaya (01/09/2022 to 02/09/2022)
- Keynote speaker in International Seminar on 'Emerging Challenges from Mucormycosis and Variants of Coronavirus: Precaution and Prevention, organized by Department of Biotechnology, T. N. B. College, Bhagalpur (29-30/05/2021).
- Invited Speaker in the National Symposium on Chronobiology: Biological timing and Health Challenges, organized by the Department of Zoology, Mizoram University, Aizawl, India (2-4 March, 2023)
- Judge, National Children Science Congress, 2022 at Kendriya Vidyalaya – 1, Gaya (18/10/2022) Young Scientists' Conference, Indian International Science Festival – 2018, Lucknow
- Indian International Science Festival – 2017, Chennai
- Bharatiya Vigyan Sammelan - 2017, Pune
- 49th Annual Meeting of Society for the Study of Reproduction (SSR), San Diego, USA (2016)
- Smithsonian Conservation Biology Institute Symposium, Front Royal, Virginia, USA (August, 2016)
- Conference on Advocating Human and Civil Rights for Minority Communities in San Diego, USA (2015)
- 24th World Poultry Science Congress 2012, **Salvador-Brazil**.

- XX Annual Conference of Society of Animal Physiologist of India, Nov. 2-4, 2011, Kolkata
- 23rd World Poultry Science congress 2008, **Brisbane-Australia.**
- Silver Jubilee Annual Conference & National Symposium (IPSACON-2008) on Poultry Production: Opportunity and Threats, Anand-Gujrat.
- National Seminar on **“Poultry Science Education and Human Resource Planning for Poultry Sector”**. Central Avian Research Institute, Izatnagar (January21-22, 2009).

Education

2006 - 2009:	PhD in Animal Science from Mahatma Jyotiba Phulle Rohilkhand University, Bareilly and Central Avian Research Institute, Izatnagar, Bareilly
2003-2005:	Master of Science in Animal Science from Mahatma Jyotiba Phulle Rohilkhand University, Bareilly
2001-2002:	Post Graduate Diploma in Biotechnology from Mahatma Jyotiba Phulle Rohilkhand University, Bareilly
1997-2002 :	Bachelor of Science in Biology from Dr. Bheem Rao Ambedkar University, Agra
