

1. NAME : **HEMANTA KUMAR SAHU**

2. DATE OF BIRTH : 07.09.1968

3. NATIONALITY : Indian

4. CONTACT ADDRESS :
 READER
 P.G. DEPARTMENT OF ZOOLOGY
 NORTH ORISSA UNIVERSITY,
 SRIRAM CHANDRA VIHAR, TAKATPUR, BARIPADA,
 ORISSA-757003. Mobile - 09437177845
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5. PERMANENT ADDRESS : AT/PO-PANDERSIL, P.S.-RARUAN
 MAYURBHANJ, ORISSA.

6. EXPERIENCE

i) Research : 1992 onwards

ii) U.G. Teaching : 5 years

ii) P.G.Teaching : 2002 onwards

7. PRESENT POSITION :
 READER
 P.G. DEPARTMENT OF ZOOLOGY
 NORTH ORISSA UNIVERSITY, BARIPADA, ORISSA

8. (A) POSITION HELD EARLIER :

From To

RESEARCH

i) Research Scholar	Forest Department Govt. of Orissa.	2.11.1992	1.11.1995
ii) Project Biologist	Wildlife Institute of India, Dehradun,	9.7.2001	19.7.2002

TEACHING

i) Lecturer (U.G.Teaching)	Barbil College, Orissa	23.11.1996	31.7.2002
ii) Resource Person (P.G.Teaching)	North Orissa University Baripada, Orissa	01.8.2002	30.9.2002

		From	To
iii) Lecturer (Wildlife & Conservation Biology) (P.G.Teaching)	North Orissa University Baripada, Orissa	01.10.2002	12.8.2004
iv) Lecturer (Zoology) (P.G.Teaching)	North Orissa University Baripada, Orissa	13.8.2004	28.2.2007
v) Reader (Zoology) (P.G.Teaching)	North Orissa University Baripada, Orissa	1.3.2007	Continuing

(B) MEMBERSHIP :

i.	Life member of	Zoological Society of Orissa (ZSO)	Since 1992
ii.	Member of	Indian Bird Conservation Network (IBCN)	Since 1995
iii.	Member of	Nature and Wildlife Conservation Society of Orissa (NWCSO)	Since 1991
iv.	Member of	Bombay Natural History Society , Mumbai, (BNHS)	Since 2002
v.	Member of	ZOO OUTREACH ORGANISATION, Coimbatore (ZOO)	Since 2002
vi.	Member of	Indian Science Congress Association	2005
vii.	Member of	INSCA Invertebrate Specialist Group	2005

9. ACADEMIC QUALIFICATIONS :

Examinations	University	Year of passing	Subject	Class/Division/% of marks
B.Sc.	Utkal University	1988	Zoology (Hons)	First Class Hons. with Distinction (64)
M.Sc.	Utkal University	1990	Zoology Sp- Developmental Biology	First Class (68.8)
M.Phil *	Utkal University	1992	Zoology	Passed (74.7)
Ph.D. **	Utkal University	2000	Zoology	Awarded

* On the Topic : Effect of Vitamin-A on regeneration of *Polypedates maculatus* tadpoles (Family: Rhacophoridae).

** On the Topic : Ecology of aquatic birds in Nalaban Sanctuary of Chilika lake with special reference to Order Anseriformes.

10. RESEARCH PROJECTS:

- Biodiversity assessment of Talsrai river mouth to Dhamra estuary funded by Forest Department, Govt. of Orissa. **(Co-Principal Investigator)**
- Study on Avifauna of Sunabeda Wildlife Sanctuary, Orissa. funded by Forest Department, Govt. of Orissa. **(Principal Investigator)**
- Status of White bellied Sea Eagle and Black-backed Vulture in Bhitarkanika National Park, funded by Forest Department, Govt. of Orissa. **(Principal Investigator)**
- Study on Avifauna of Bhitarkanika National Park, funded by Forest Department, Govt. of Orissa. **(Co- Pr. Investigator)**
- Study on effect of effluents of industry and prawn culture on biodiversity of Mahanadi delta, funded by Forest Department, Govt. of Orissa. **(Co- Pr. Investigator)**
- Elephant Research Project entitled, “Study on Man and Animal conflicts in the corridors of Mayurbhanj Elephant Reserve” funded by Forest Department, Govt. of Orissa. **(Principal Investigator)**
- Perspective Management Plan for Elephant Reserves of Mayurbhanj, funded by Forest Department, Govt. of Orissa. **(Principal Investigator)**
- Assessment of Biodiversity of preservation plots in Similipal Tiger Reserve project , funded by Forest Department, Govt. of Orissa (Silviculture Division), Bhubaneswar. **(Co- Pr. Investigator)**
- Assessment of Herpetofauna in Sunabeda Wildlife Sanctuary, Orissa. **(Co- Pr. Investigator)**
- Forest Development Agencies (FDA) of Karanjia Forest Division during 2004. **(Internal evaluator)**
- Six months projects of 14 M.Sc. Wildlife students. **(Guide)**

B. STUDENT PROJECTS

Sl.No	Project Title
1	Study of Ethnobiology in and around Similipal Biosphere Reserve, Orissa
2	Study of Invertebrate fauna of Chahala range of Similipal Biosphere Reserve, Orissa
3	Study on Invertebrate fauna of Gudugudia range of Similipal Biosphere Reserve, Orissa
4	Study on the Ichthyofauna along the Balasore coastal region of Bay of Bengal, Orissa
5	Studies on diet of Leopard (<i>Panthera pardus</i>) in Cotigão Wildlife Sanctuary, Goa, using Scat analysis technique
6	Habitat Use by Drongos (Family Dicruridae) in Kakoijana (Proposed) Wildlife Sanctuary,
7	Winter bird community study in Kakoijana (Proposed) Wildlife Sanctuary, Assam
8	Ecology and Natural History of Crabs of Chilika lake of Orissa

9	Study on Invertebrate fauna of Sunabeda Wildlife Sanctuary, Orissa
10	Study on behaviour and activity pattern of Bear in and around Kuldiha Wildlife Sanctuary,
11	Biodiversity of Kanjipani Forest Division with special reference to vertebrate fauna
12	Biodiversity of Kanjipani Forest Division with special reference to Invertebrate fauna
13	Study on ecology of crabs of Balasore coast, Orissa
14	Study on ecology of turtles in Satkosia Wildlife Sanctuary , Orissa

C. M.Phil STUDENT DISSERTATION

- Guided four M.Phil Students

2007

1. Mamata Rani Mishra : Age and growth of *Mabuya carinata* by skeletochronology.

2008

2. Bijayini Swain : Determination of age and growth of the common Indian rock lizard *Psammophilus blanfordanus* (Diapsida : Reptilia) by skeletochronology.

2009

1. Shisir K.Nayak : Assessment of physico-chemical and biological parameters of Budhabalanga river water
2. Snigdharani Mohanty : Study on Ichthyofauna of Chandipur Coast of Bay of Bengale, Balasore , Orissa

2010

1. Poonam Sinha : Continuing

D. Ph.D. STUDENT GUIDANCE

- i) Ph.D.students registered : 04
- ii) Ph.D.students applied : 05

11. RESEARCH ACTIVITIES:

1. **BIRD CENSUS** in Sunabeda Wildlife Sanctuary, Nuapada in 2009,2010.
2. **WATERFOWL CENSUS** in **Chilika lake** in 1993, 1994,1995,1996,1997,1998,2000.
3. **SALIM ALI BIRD COUNT** in reservoirs of **Mayurbhanj and Keonjhar District** in 2000,2001, 2002 , 2003, 2004,2005,2006,2007.
4. **SALT WATER CROCODILE CENSUS** in **Bhitarkanika National Park** in 2002.
5. **WATERBIRD CENSUS** in **Bhitarkanika National Park** in 2002, 2006.
6. **WATERBIRD CENSUS** in **Baripada Circle** in 2003, 2004,2005,2006, 2007,2008.

7. **TIGER AND LEOPARD CENSUS** in **Similipal Tiger Reserve** in 2004.
8. **MUGGER CROCODILE CENSUS** in **Similipal Tiger Reserve** in 2003,2004,2005,2006,2008
9. **ELEPHANT CENSUS** in **Similipal Tiger Reserve** in 2005.
10. **HERBIVORE CENSUS** in **Similipal Tiger Reserve** in 2005.

12. ADMINISTRATIVE ACTIVITIES :

- i) Deputy Director of Distance Education (Oct-2007 Continuing)
- ii) Deputy Controller of Examinations for DDCE- 2008 Continuing
- iii) Assistant Director of Distance Education (2005- May 2007)
- iv) Member of Prospectus Committee
- v) Member of In-charge of Computers (2002-2005)
- vi) Officer-in charge UGC matters. (2007-2008)
- vii) In-Charge and Co-ordinator of P.G.Department of Wildlife & Conservation Biology and P.G.Department of Remote Sensing & GIS (From 2004-2006 and 2007-2008)
- viii) Board of Studies member of Zoology, Wildlife & Cons.Biol. and Remote Sensing & GIS
- ix) Center Director of NOU Study Center, Distance Education.

13. EXAMINATION ACTIVITIES:

- i) Zone Officer in Pre-, Inter and Final Law-2004 Zonal valuation center at North Orissa University.
- ii) Zone Officer in 8th Semester B.E.-2004 Zonal valuation center at North Orissa University.
- iii) Coding Officer for +3 Second University (R&B)-2005 and +3 Final University (R&B)-2005 Examination.
- iv) Zone Officer in Final Degree (R&B)-2006 Zonal valuation center at North Orissa University.
- v) Deputy Centre Superintendent of MA/MSc. Exam- 2008
- vi) Centre Superintendent DDCE Exam (2005 – 2010)

14. AWARD :

Best Oral presentation Award in UGC Sponsored **National Level Conference** on Application of Remote Sensing & GIS in Natural Resource Management, **Jalgaon, Maharastra** from 14-15th February, 2009.

15. PUBLICATIONS:

1. Kar, S.K. and **H.K.Sahu (1993)**. Preliminary study on ecology of aquatic birds in Chilika lake, Orissa. *Proc. of First Seminar on Changing Scenario of Bird Ecology and Conservation*, Bangalore : 62-64.
2. Kar, S.K., S.Acharya and **H.K.Sahu (1995)**. Ecology of aquatic birds in Chilika lake, Orissa. *Proc. of Biann. Conf. on Environ. and Birds*. Ornithological Soc. of India, New Delhi ; 37-38.
3. **Sahu, H.K.**, S.K.Kar and S.K.Patnaik (1998). Study on some aspects of Irrawady River Dolphin *Orcaella brevirostris* Gray in Chilika lake, Orissa. *Indian Forester*. 124(10) : 803-809.
4. Kar, S.K., **H.K.Sahu** and S.Acharya (1999). Ringing or banding of birds during 1993. *Bihang Journal*. 1(4) : 13.
5. **Sahu, H.K.** and S.K.Kar (1999). Study on population status of aquatic birds in Nalaban Sanctuary, Chilika lake, Orissa. *Pranikee* (19 & 20) : 11-15.
6. **Sahu, H.K. (2001)**. Ecology of aquatic birds in Nalaban Sanctuary of Chilika lake with special reference to Order Anseriformes (Abstract of Ph. D. thesis). *The Univ. Res. Journal, North Orissa University* (1): 47-53.
7. Kar, S.K. and **H.K.Sahu (2002)**. Ecology of ducks and geese (Anatidae) in Chilika Lake, Orissa, India. In : *Birds of wetlands & Grasslands: Proc Salim Ali Centenary Seminar on Conservation of Avifauna of Wetlands & Grasslands*. Eds: Rahmani, A.R. and G.Ugra. pp. 69-72. *Bom. Nat. Hist. Soc.*
8. Rout, S.D. and **H.K.Sahu (2004)**. Need for the conservation and sustainable use of wildlife in Similipal Biosphere Reserve. *The Univ. Res. Journal, North Orissa University* (3) : 28-31.
9. **Sahu, H.K.** and D.Swain (2004). Report on death of a Mugger *Crocodylus palustris* in wild inside Similipal Tiger Reserve, Orissa, India. *Indian Forester* 130 (10): 1211-1213.
10. Swain, D., **H.K.Sahu** and B.K.Parida (2005). Censusing Tiger and Leopard in Similipal Tiger Reserve-2004, Orissa, India. *Tiger Paper* 32 (1) : 22-25.
11. **Sahu, H.K.** and S.D.Rout (2005). Checklist of waterbirds in Mayurbhanj District, Orissa. *ZOOS' PRINT JOURNAL* 20 (9) : 1992-1993.
12. **Sahu, H.K.** and S.K.Dutta (2005). Status of aquatic birds in Mayurbhanj district, Orissa, India. *Indian J. Environ. & Ecoplan* 10 (3): 883-888.
13. Mohanta, R.K., S.D.Rout and **H.K.Sahu (2005)**. Study on Ethnomedicinal plants of Similipal Biosphere Reserve. *Vision, The North Orissa University Journal* (1): 10-15.
14. Mohanta, R.K., S.D.Rout and **H.K.Sahu (2006)**. Ethnomedicinal Plant resources of Similipal Biosphere Reserve, Orissa, India. *ZOOS' PRINT* 21(8): 2372-2374.

15. **Sahu, H.K.,** J.Jena, S.K.Dutta and S.D.Rout (2006). Common Butterflies of Chahala Range of Similipal Tiger Reserve, Orissa, India. *Indian Forester* 132 (10): 1363-1366.
16. **Sahu,H.K.,** S.K.Dutta and S.D.Rout (2007). Survey of Mugger crocodile *Crocodylus palustris* in Similipal Tiger Reserve, Orissa, India. *Tiger Paper* 34(1): 27-32.
17. Das.J., N.K.Nath, H.Singha and H.K.Sahu (2007). Winter birds of Kakoijana (Proposed) Wildlife Sanctuary, Assam, India. *Indian Birds* 3 (1) :16-23.
18. Swain, D. and **H.K.Sahu** (2007). Status of Mugger *Crocodylus palustris* in Similipal Tiger Reserve, Orissa, India. *J. Bombay Nat. His. Soc.* 104 (2): 16-19.
19. **Sahu,H.K.,**S.Behera,,S.D.Rout and S.K.Dutta (2009). Study on Ichthyofauna of Balasore Coast , Orissa, India .*Our Earth* 5(3) : 29-34.
20. Panda,S., **H.K.Sahu**, S.D.Rout and S.K.Dutta (2009). Preliminary sstudy on commercially exploited crabs of Balasore coast of Bay of Bengal, Orissa, India. *Indian J. Environ. & Ecoplan* 16 (1): 337-345.
21. Bal,S., R.R.Mishra, B.Rath, **H.K.Sahu** and H.N.Thatoi (2009). Characterization and extracellular enzyme activity of predominant marine *Bacillus* spp. Isolated from sea water of Orissa Coast, India. *Malaysian J. of Microbiology* 5 (2) : 87-93.
22. S.K.Das, **H.K.Sahu**, and S.D.Rout (2010). Odonates of Baripada Division of Similipal Biosphere Reserve, including North Orissa University campus, Orissa , India. *Tigerpaper* 37(2) :13-17

ABSTRACTS

23. Dutta,S.K. and **H.K.Sahu** (1992).Effect of Vitamin-A on regeneration of anuran tadpoles. *Proc. International Symp. on Amphibian Endocrinology*,Waseda University,Tokyo,Japan : 22.
24. Kar,S.K. and **H.K.Sahu** and S.Acharya (1994 a).Chilika Lake- A Unique ecosystem. *Proc. VIIIth All Ind. Cong. Of Zool.* Utkal Univ.Bhubaneswar : 102.
25. Kar,S.K. S.Acharya and **H.K.Sahu** (1994 b). Preliminary study on population of aquatic birds in Chilika Lagoon. *Proc. Zoological of Orissa*, Utkal University, Bhubaneswar (Abstract). : 25.
26. Acharya,S., **H.K.Sahu** and S.K.Kar (1999).Impact of water pollution on avifauna of Chilika lake. *Proc. Symp. on water pollution, its effect on aquatic organism and remedial measures.* Zool. Soc. of Orissa and Dept. of Forests & Environ., Govt. of Orissa,Bhubaneswar :14.
27. Kar,S.K. and **H.K.Sahu** (1999).Study on feeding pattern of Anatids in Nalaban Sanctuary of Chilika lake, Orissa. *Proc. 42nd Ann. Conf. Zool. Soc. of Orissa & Zool. Cong. Orissa*, Khurda: 5.
28. **Sahu,H.K.** and S.K.Kar (2000).Habitat utilisation of Anatids (Family:Anatidae) in Nalaban Sanctuary of Chilika Lake,Orissa,India. *Proc. of Ninth All Ind. Cong. Zool. Nat.Symp. on Zoological Research in 21st Century* .Bhubaneswar : 127-128.

29. S.K.Kar and **H.K. Sahu (2004)**. Study on habitat types and population trend of aquatic birds in Chilika lagoon, Orissa, India. *Proc. International conf. on Birds and Environment*, Haridwar : 82.
30. **H.K.Sahu**, J.Jena and S.D.Rout (2005). Preliminary study on some Invertebrate fauna of Chahala Range of Similipal Tiger Reserve, Orissa. *Indo-US workshop on conservation of biodiversity of Similipal Biosphere Reserve*, North Orissa University, Baripada : 29.
31. **H.K.Sahu**, J.Sethy and S.D.Rout (2005). Preliminary study on some Invertebrate fauna of Gudugudia Range of Similipal Tiger Reserve, Orissa. *Indo-US workshop on conservation of biodiversity of Similipal Biosphere Reserve*, North Orissa University, Baripada : 30.
32. R.K.Mohanta, S.D.Rout and **H.K.Sahu (2005)**. Ethnobotanical diversity in Similipal Biosphere Reserve, Orissa. *Indo-US workshop on conservation of biodiversity of Similipal Biosphere Reserve*, North Orissa University, Baripada : 34.
33. S.K.Dutta, P.P.Mohapatra and **H.K.Sahu (2005)**. Herpetofaunal novelties of Similipal Biosphere reserve : Evidences of faunal immigration. *Indo-US workshop on conservation of biodiversity of Similipal Biosphere Reserve*, North Orissa University, Baripada : 37.
34. **H.K.Sahu**, S.K.Dutta and S.D.Rout (2006). Preliminary study on human-elephant in the corridors of Similipal Biosphere Reserve, Orissa. *National Workshop on Similipal Biosphere Reserve: Interdisciplinary Perspectives*. North Orissa University, Baripada.
35. **H.K.Sahu**, S.D.Rout and S.Behera (2007). A Preliminary study on Ichthyofauna of Balasore coast, Orissa. *Proc. Nat. Seminar on Environment pollution and its protection issues in Orissa*, Athgarh, Cuttack : 104.
36. **H.K.Sahu**, G.Rane, N.Zaffar and V.Kakde (2009). Land Use / Land Cover Monitoring in parts of Mussoorie Hills , Uttarakhand, India using Remote Sensing and GIS. *UGC Sponsored National Level Conference on Application of Remote Sensing & GIS in Natural Resource Management*, Jalgaon, Maharastra : 23.
37. **H.K.Sahu** and S.Das (2009). Environmental pollution due to chromite mining in Orissa and its possible bio-remediation through use of microbes. *UGC sponsored Seminar on Impact of mining on Environment*, Joda, Orissa : 4

BOOK (Contributor)

1. **Dutta, S.K. and H.K.Sahu (1994)**. Effect of Vitamin –A on tail regeneration of Polypedayus maculates (Anura : Rhacophoridae) tadpoles. In *Homoeotic Transformation in Anurans* (Ed. S.K.Dutta). ISRAG Publications, Bhubaneswar : 9-21 pp.+
2. A.K.Yadav, S.Das, **H.K.Sahu** and H.N.Thatoi (2009). Metal –Microbe interaction : role of microbes in bioremediation of heavy metals. Edited book *Microbial Biotechnology* (Editors B.B.Mishra & H.N.Thatoi) APH Publ. House, New Delhi

SCIENTIFIC POPULAR ARTICLES

1. Kar, S.K., S. Acharya and **H.K. Sahu (1995)**. Chilika Amara Prakrutika Sampad. *Parivesh Tarang 'O' Parivesha Bikash Samiti*, Cuttack: 5-9.
2. **Sahu, H.K.** and S.D.Rout (2003). Curricular activities of Wildlife and Conservation Biology Department of North Orissa University during 2002-2003. *The Univ. Res. Journal, North Orissa University 2* : 96-100.
3. Rout, S.D. and **H.K.Sahu, (2004)**. Similipalare Kumbhira Sangrakhyan. The North Orissa University Magazine *Banani* : 43-44.
4. Rout, S.D. and **H.K.Sahu, (2005)**. Similipala : Jaiba Bividhatara Eka Gantaghara. The North Orissa University Magazine *Banani* : 126-128.

SEMINAR / SYMPOSIUM / WORKSHOP/TRAINING ATTENDED

1. **National Symposium on “Zoological research in 21st Century”**, Utkal University at Bhubaneswar : *5th – 7th February, 2000*.
2. **Workshop on Important Bird Areas (IBA)**, organised by Bombay Natural History Society (BNHS) at Calcutta : *27th – 28th ,September, 1999*.
3. **National Symposium on Developmental Biology**, Utkal University and Indian Society of Developmental Biologists at Bhubaneswar : *21st – 23rd February, 1997*.
4. **Biannual Conference on Environment and Birds**, organised by Ornithological Society of India at New Delhi: *14th – 16th November, 1995*.
5. **Seminar of VIIIth All India Congress of Zoology**, Utkal University at Bhubaneswar: *21st – 23rd April ,1994*.
6. **Seminar on Changing Scenario of Birds Ecology and Conservation** of Ornithological Society of India at Bangalore: *12th – 14th November, 1993*.
7. **Training on ARC-GIS software by ESRI India at Kolkata** : *15th – 19th June, 2004*.
8. **7th Annual ESRI India User Conference** at New Delhi from *2nd – 3rd December, 2004*.
9. **Training workshop for elephant census at Baripada** on *23rd December, 2004*.
10. **Training Workshop on Bird Census**, Organised by Similipal Tiger Reserve on *17th March, 2005*.
11. **INDO-US workshop** on Conservation of Biodiversity of Similipal Biosphere Reserve, organized by North Orissa University from *14th -15th November, 2005*.

12. **UGC -Sponsored Orientation Course** at Utkal University from *11.1.2006 to 7.2.2006*.
13. **Workshop** on “Malaria and Tropical Diseases: Current situation , Areas of Concern and Future Prospect” organized by Centro MAP,CRS,UNDP,LEPRA from *13th -14th February, 2006*.
14. **National Workshop on Similipal Biosphere Reserve: Interdisciplinary Perspectives** organized by North Orissa University, Baripada from *4th -5th September, 2006*.
15. **Biodiversity Assessment and Monitoring Programme** at Conservation Research Centre of Smithsonian Institute, Virginia, USA from **16.9.2006 to 6.10.2006** funded by Indo-US Science and Technology Forum.
16. **NNRMS** course on “Application of Remote Sensing & GIS on Forestry/Ecology/Environmental Science” at Indian Institute of Remote Sensing, **Dehradun** from **5.5.2008 to 27.6.2008** funded by NRSA, Govt. of India.
17. UGC Sponsored **National Level Conference** on Application of Remote Sensing & GIS in Natural Resource Management, **Jalgaon, Maharastra** from 14-15th February, 2009.
18. UGC sponsored **National Seminar** on Impact of mining on Environment, Joda, Keonjhar, Orissa on 18th December,.2009.
19. National Seminar on Quality control in Distance Education at Shardarshar, Rajasthan from 21st and 22nd February, 2010.
20. Experimental Design and Ecological Statistics course at Conservation Research Centre of Smithsonian Institute, Virginia, **USA** of George Mason University from **17.8.2010 to 27.8.2010** funded from UGC travel Grant.
