

BIODATA

Prof. Dinesh Bhatt

Qualification: M.Sc., Ph.D. (Zoology)

Designation: Professor and Dean, Faculty of Life Science, Gurukula Kangri University, Haridwar

Date of birth: 12 March 1956

Postal address: Avian Diversity and Bioacoustics Lab., Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar-249 404, Uttarakhand.

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Area of research: Avian breeding ecology, diversity and bioacoustics

Service Record:

| S.No. | Place of work | Post | Tenure |
|-------|--|---|--|
| 1. | Gurukula Kangri University, Haridwar, Uttarakhand. | Dean, Faculty of Life Science | 1 July 2013-continue |
| 2. | Gurukula Kangri University, Haridwar, Uttarakhand. | Professor/Co-ordinator UGC-SAP/ PI, DST Project | 04 January 2004/Feb. 2011-continue/ Nov. 2012 - continue |
| 3. | Department of Zoology and Environmental Science, G.K.V, Haridwar | Professor and HOD | 01 July 2007 to 30 June 2010 |
| 4. | Gurukula Kangri University | Reader | 04 January 1996 to 03 Jan. 2004 |
| 5. | Gurukula Kangri University | Lecturer | 06 December 1984 to 03 |

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| | | | January 1996 |
| 6. | H. N. B. Garhwal University, Srinagar- Garhwal. | Research Scientist (DOEn) | September 1984 to December 1984 |
| 7. | H. N. B. Garhwal University, Srinagar- Garhwal. | Research Associate (DOEn) | December 1981 to August 1984 |
| 8. | Banaras Hindu University, Varanasi. | Senior Research Fellow (UGC) | December 1980 to November 1981 |
| 9. | Banaras Hindu University, Varanasi. | Junior Research Fellow (BHU/UGC) | December 1978 to November 1980 |

Research Experience: About 35 Years.

Teaching Experience: About 31 Years.

Participation in International Conference/Symposia:

- 1) 26th International Ornithological Congress, **Tokyo, Japan**, 18-24 August 2014.
- 2) XXIV International Bioacoustics Council Congress, **Pirenopolis, Brazil**, 8-13 September 2013.
- 3) International Congress on Chronobiology (Member, National Coordination Committee), New Delhi, India, 3-7 October 2012
- 4) First International Conference on Indian Ornithology, Coimbatore, India, 19-23 November 2011
- 5) The XXIII meeting of the International Bioacoustics Council (IBAC), **La Rochelle, France**, 12-16 September 2011
- 6) 25th International Ornithological Congress, **Campos do Jordão, Brazil**, 22 - 28 August 2010.
- 7) International Conference on Environment & Energy Conservation, Dehradun, India, 2009.
- 8) XXII International Bioacoustics Council Congress, **Lisbon, Portugal**, 14-18 September 2009.
- 9) International Conference on vocal communication in birds & mammals, **St. Andrews, Scotland**, 31st July - 2nd August 2008.
- 10) International symposium on Current issues in Zoology and Environmental Science, Gorakhpur, India, 11-13 November 2006.
- 11) 24th International Ornithological Congress, **Hamburg, Germany**, 13-19 August 2006.
- 12) International Conference on Bird and Environment, Haridwar, India, 21- 24 November 2004.
- 13) 23rd International Ornithological Congress **Beijing, China**, 11-17 August 2003.
- 14) XXVI International Ethological Congress, Bangalore, India, 2-9 August 1999.

- 15) 22nd International Ornithological Congress, **Durban, South Africa** 16-22 August 1998.
- 16) First Asian Ornithological Congress and XIII Birdlife Asia Conference, Coimbatore, India, 1996.
- 17) International symposium on Environmental Approaches to Ornithology, Srinagar, India, 1991.
- 18) XXXI International Congress of Physiological Science, **Helsinki, Finland**, 9-14 July, 1989.
- 19) International symposium on Chronobiology, Hyderabad, India, 19-21 November 1986.
- 20) International symposium on Environment and Hormones, Srinagar, India, 27-31 October 1983.
- 21) 3rd Conference of Indian Society for Chronobiology- a Joint meeting with International Society for Chronobiology, Varanasi, India, 27-29 December 1979.

Participation in National Conference/Symposia:

1. Training programme on advanced experimentations, 20-30 June, 2014, organized by Gurukula Kangri University, Haridwar (invited talk).
2. National Workshop on Taxonomic Keys and Identification Tools of Different Groups of Flora and Fauna Including the Molecular Tools, 3-8 March 2014, G.K.V., Haridwar (invited talk and resource person).
3. II National Conference on 'Recent Advances in Biological Sciences' School of Life Sciences, Pt. Ravishankar Shukla University, Raipur Chattisgarh, 25 - 27 November 2013.
4. National Conference on Status and Conservation of Biodiversity in India with special reference to Himalaya, University of Kashmir, October 4-5, 2013 (invited talk).
5. DST (Govt. of India) sponsored 'Inspire' programme, Department of Geology, H. N. B. Garhwal University, 24 December 2012. (invited talk).
6. National Seminar on Status of Environment and Biodiversity: RIO+ 20 and role of space technology, Haridwar, 2nd – 3rd November, 2012 (convener)
7. National workshop on Taxonomic keys and identification tools of different groups of flora and fauna, G.K.V., Haridwar, October 29- November 3, 2012 (invited talk and resource person).
8. National Workshop on Examination Reforms in Higher Education, May 14 - 18, 2012, G.K.V., Haridwar (Coordinator).
9. Delivered couple of invited lectures on biodiversity and acoustics communication in birds to the graduate students of biological sciences, Maharshi Dayanand College, Sri Ganganagar, 19 January 2012.
10. XXII National Symposium on Chronobiology, Department of Zoology Kurushetra University Kurukshetra 15-17 March 2011(invited talk).
11. National Conference on Ganga pollution control organised by '*Sarva mangala Sidhpeeth* (Bihar), *Maha Kumbh Mela*, Haridwar, 2010 (invited talk).

12. 'World House Sparrow Day Seminar' as a guest of honour and a keynote speaker, Dehradun, 2010.
13. DST (Govt. of India) sponsored 'Inspire' programme, Department of Geology, H. N. B. Garhwal University, 10 December 2010 (invited talk).
14. National Seminar on 'Impacts of trends in climate change on biodiversity and faunistic systems', Haridwar, 19-20 February 2010 (as convener of the conference).
15. Ornithological Meet organized by Federation of Indian Ornithological Societies, Bangalore 2009 (resource person).
16. National Seminar on 'Status of Biodiversity and Conservation', Haridwar, 27-28 February 2009 (invited talk).
17. Ornithological Meet organized by Federation of Indian Ornithological Societies, Bangalore, 2008 (As a Resource Person).
18. National Symposium on functional biology: comparative aspects, Lucknow, 19-21 March 2009 (invited talk).
19. National Seminar on 'Status of Bio-diversity among Mountainous States of India', Haridwar, 15-16 March 2008 (invited talk).
20. National Seminar on 'Bio-diversity of Himalayan states with Special Reference to Uttarakhand', Haridwar, 18-19 March 2007(invited talk) .
21. National Seminar on 'Biodiversity of Uttaranchal State' Haridwar, 27-28 March 2006 (invited talk).
22. National Seminar on Inland Wetlands, New Delhi, Organized by SACON, 2005 (resource person).
23. Director's Conference, National Bal Bhawan, Haridwar, 2005 (invited talk).
24. 92nd Indian Science Congress, Nirma University Ahmedabad, 3-7 January 2005 (Invited talk).
25. First School in Chronobiology, Lucknow, 2004 (as a resource person).
26. XV National Symposium on Chronobiology, Raipur, 2003 (Invited talk).
27. National Seminar on Relevance of Biosphere Reserve, National Park and Sanctuaries in Present Context, Haridwar, 2002.
28. National Symposium on India's Faunistic Diversity and Environment, Haridwar, 2001 (Invited talk).
29. National Seminar on Present Eco-Status of Ganga Water, Haridwar, 1998.
30. National Symposium on Environment Management in Mountain Region, Rishikesh, 1998.
31. National Seminar on Acoustics, Organized by Indian Acoustical Society, Calcutta, 1998 (Invited talk).
32. National Symposium on Faunistic Diversity, Environmental Monitoring and Biotechnology, Haridwar, 1998.
33. 6th APSI National Seminar on Biological Diversity and Human Welfare, Rishikesh, 1997.
34. National Symposium on Environment and Birds, New Delhi, 14-16 November 1995.

35. National Symposium on Vedic Philosophy and Himalayan Ecodevelopment, Haridwar, 1991.
36. National Symposium on Animal Protection Under Changing Environment, Haridwar, 1986.
37. National Symposium on Fish and their Environment, Haridwar, 1986.
38. 68th Session of Indian Science Congress, Varanasi, 3-7 January 1981.
39. National Symposium on General and Comparative Endocrinology, Delhi, 24-26 November 1980.
40. 2nd Conference of Indian Society for Chronobiology, Bangalore, 11-14 December 1978.

Membership of the Academic Bodies:

A. International

International Ornithologists Union, USA.

International Bioacoustics Council, U.K.

B. National

- 1) Indian Science Congress Association, Kolkata (Life member).
- 2) Ornithological Society of India (Founder member), Srinagar, Garhwal.
- 3) Zoological Society of India (Fellow of the Society), Bodh Gaya.
- 4) Bombay Natural History Society, Mumbai.
- 5) Indian Academy of Environmental Sciences (Founder member and Fellow of the Society), Haridwar, Uttarakhand.
- 6) Society for Applied Ornithology (Life Member), Hyderabad.
- 7) Indian Society for Chronobiology, Delhi.

Research Projects-

A. Completed (Seven)

- 1) Acoustic communication in Indian Chat *Cercomela fusca* and Pied Bush Chat *Saxicola caprata*: Characterization and behavioural correlates of songs and calls. DST, Govt. of India (2007-2010).
- 2) Microstructure of song of the Oriental magpie robin *Copsychus saularis*. DST, Govt. of India (2002-2005).
- 3) Avian diversity and Community structure in lower Shiwalik hills, UGC, (2001-2003).
- 4) Study of vocal and visual signals in Spotted dove and Oriental magpie robin, UGC (1997-1999).
- 5) Acoustic signals in a few avian species: their characteristics and significance, DST, Govt. of India (1997-2000).
- 6) Study on the sociobiology of a few avian species, UGC (1994-1996).
- 7) Chronobiology of obesity, UGC (1986-1989).

B. Ongoing (one)

- 1) Song repertoire size of Pied Bush Chat: Correlation with mating status, mate choice, breeding success and recognition ability. DST, Govt. of India (2012-2015).

Ph.D. Students Produced: Eleven

Ph.D. Students working at present: Seven

M.Sc. Dissertations Supervised: Thirty six.

Foreign Collaboration:

- 1) Irina M. Marova, Dept. of Biology, Moscow Lomonosov State University, Moscow, Russia (in process)
- 2) Prof. Lei Fumin, Institute of Zoology, Chinese Academy of Sciences, Beijing, China (in process).
- 3) Prof. Robert Payne, Department of Zoology, University of Michigan, U.S.A. (1999).
- 4) Prof. Franz Halberg, Director, Chronobiology Lab., University of Minnesota, U.S.A. (1987).

Foreign Visits:

- 1) 26th International Ornithological Congress, Tokyo, Japan (18-24 August 2014).
- 2) XXIV International Bioacoustics Council Congress, Pirenopolis, Brazil (8-13 September 2013).
- 3) International Bioacoustics Council (IBAC) La Rochelle, France (12-16 September 2011).
- 4) 25th International Ornithological Congress, Campos do Jordão, Sao Paulo, Brazil (22 - 28 August 2010).
- 5) XXII International Bioacoustics Council Congress, Lisbon, Portugal (14-18 September 2009).
- 6) International Conference on vocal communication in birds & mammals, Scotland, (31st July - 2nd August 2008).
- 7) 24th International Ornithological Congress, Hamburg, Germany (13-19 August 2006).
- 8) 23rd International Ornithological Congress, Beijing, China (11-17 August 2002).
- 9) XXII International Ornithological Congress, Durban (16-22 August 1998) and Wildlife and Environment Society of South Africa, Ladysmith (1998).
- 10) XXXI International Congress on Physiological Science, Helsinki, Finland (9-14 July 1989).

Director/ Organizing Secretary/ Coordinator of the conferences/meetings:**A) International:**

International Conference on Bird and Environment, 21-24 November 2004, Haridwar, India (Organizing Secretary).

B) National:

- 1) Summer school (organized by The National Academy of Sciences, India) as Coordinator (one day activity).
- 2) World House Sparrow Day Programme 20-21 March, 2014. (Convener).
- 3) National Seminar on Status of Environment and Biodiversity: RIO+ 20 and role of space technology 2nd – 3rd November, 2012 (Convener).
- 4) National Workshop on Examination Reforms in Higher Education, May 14 - 18, 2012 (Coordinator).
- 5) 'DST-SERC Thematic Workshop on Avian Biology', 27-30 November 2008 (Director).
- 6) 2nd meeting of the Advisory Committee (DST, Govt. of India) on Avian Biology workshop, Haridwar, 2008 (Coordinator).
- 7) Advisory Committee Meeting on Brainstorming session on the status of Avian Biology in India, Haridwar, 2007 (Coordinator).
- 8) National Conference on Biodiversity of Uttaranchal State, Haridwar, 27-28 March 2006 (Secretary).
- 9) National Symposium on India's Faunistic Diversity and Environment, Haridwar, 2001 (Organizing Secretary).
- 10) National Symposium on Faunistic Diversity, Environmental Monitoring and Biotechnology, Haridwar, 1998 (Secretary).

Training/ Workshop/Refresher Course attended:

- 1) Refresher course in Zoology, Banaras Hindu University, Varanasi (August 1992).
- 2) Workshop on Science subjects vocabulary organized by Vocabulary Commission, Ministry of Human Resource Development, New Delhi at Gurukula Kangri University, Haridwar, Uttarakhand (03-06 May 1991).
- 3) Refresher course in Zoology, Jammu University, Jammu (February 1991)
- 4) Training on Chronobiological experiments, School of Biological Sciences, Madurai Kamraj University, Madurai (December 1988).

Administrative Experience:

- 1) Member, Planning and monitoring board, G.K.V. Haridwar (2014 -continue).
- 2) Dean, Faculty of Life Science, Gurukula Kangri University, Haridwar (2013 - Continue).

- 3) Co-ordinator XII Plan Committee, Gurukula Kangri University, Haridwar.
- 4) Co-ordinator, University Grants Commission-Special Assistance Programme, Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar (2011-15).
- 5) Co-ordinator, B.Sc. Admission Committee, Gurukula Kangri University, Haridwar (2009).
- 6) Convener, Faculty Selection/Promotion Committee, Gurukula Kangri University, Haridwar (2008).
- 7) Chairman of Back Service Counting Committee at Gurukula Kangri University, Haridwar (2005 - continue).
- 8) Coordinator of XI Plan Committee of Gurukula Kangri University, Haridwar (2007-08).
- 9) Head, Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar (July 2007 to 30 June 2010).
- 10) Chairperson of IX Plan Review Committee of Gurukula Kangri University, Haridwar (2007).
- 11) Evaluation Superintendent, Gurukula Kangri University, Haridwar (March 2007- May 2014).
- 12) Chairman, Planning and Implementation Committee, Gurukula Kangri University, Haridwar (2006).
- 13) Asst. Exam Superintendent, Gurukula Kangri University, Haridwar (2005-06).
- 14) Convener, Flying Squad, Gurukula Kangri University, Haridwar (2005-06).
- 15) Chairman, Non-teaching Staff Categorization Committee, Gurukula Kangri University, Haridwar (2005).
- 16) Joint Evaluation Superintendent, Gurukula Kangri University, Haridwar (December 2002-March 2004).
- 17) Programme Officer in National Service Scheme (1989-1992).

Honors and Distinctions:

- 1) Convener of a symposium “Vocal communication and vocal control in sub-oscine passerines” during 26th International Ornithological Congress (Tokyo, Japan) 18-24 August 2014.
- 2) Member of the scientific committee “International Bioacoustics Congress” Pirenópolis, Brazil (September 8-13th 2013).
- 3) Member, National Planning Committee, SERB School in Avian Biology (Department of Science and Technology, Govt. of India).
- 4) Mahamana Madan Mohan Malaviya Samman for leading contribution in the field of bird conservation and communication (20 February 2013).
- 5) Acted as a guide (2012 and 2014) under summer research fellowship programme jointly organized by three National Science Academies (Indian National Science Academy, New Delhi; Indian Academy of Sciences, Bangalore and The National Academy of Sciences, India, Allahabad)

- 6) Nominated as Executive Member of the International Bioacoustics Council, U.K. representing Asia (2009-14).
- 7) Member in Committee of Representatives in the International Ornithologist's Union, USA (2003-Continue).
- 8) Hindi Sahitya Ratan by Hindi Sahitya Sewa Sansthan, Kushinagar (2005) for contributing popular science articles in leading Hindi periodicals such as Kadambini (Hindustan Times Press) and Vigyan Pragati (CSIR Publications).
- 9) Fellow, Zoological Society of India (2005).
- 10) Gold Medal by Indian Academy of Environmental Sciences, Haridwar (2001).
- 11) Special honor by Acoustical Society of India, Calcutta (1998).
- 12) Avian biology expert/conservation biologist- Ministry of Environment and Forests/Department of Science and Technology, New Delhi.

Publications:

Eighty one including co-author in five reviews published by Plenum Press, London, Center for Academic Publication, Tokyo, Springer-Verlag, New York etc.

LIST OF PUBLICATIONS

(A) Foreign Journals:

- 1) Sethi, V. K., Bhatt, D. and Kumar, A. (2014) Song sharing in pied bush chat (*Saxicola caprata*). **Belgian Journal of Zoology** 144: 67-76.
- 2) Sethi, V. K., Bhatt, D., Kumar, A. and Singh, A. (2014) Notes on the breeding behaviour of the Oriental Magpie Robin *Copsychus saularis*, **Journal of Sustainability Science and Management** 9: 112-119. SCOPUS Indexed
- 3) Kukreti, M. and Bhatt, D., (2014) Status and nature of human-wildlife conflict in shivalik hills, himalayas: a case study from lansdowne forest division, Uttarakhand, India. **Tigerpaper** 41: 27-31.
- 4) Joshi, K.K. and Bhatt, D. (2013) Avian Species Distribution in Different Elevation Zone Forest (Sal,Pine Mixed And Oak) in Nainital District of Uttarakhand, India. **Russian Journal of Ecology** 44: 71–79
- 5) Chandra, T. and Bhatt, D. (2012) Stripe-Breasted Pied Woodpecker (*Dendrocopos atratus*): First breeding record from Garhwal Himalaya, India, **Tigerpaper** 39: 30.

- 6) Sethi, V. K., Bhatt, D., and Kumar, A. (2012). Observations on the breeding behaviour of the Pied Bush Chat (*Saxicola caprata*). *Ukrainian journal of ornithology* 21: 116-126.
- 7) Joshi, K.K. and Bhatt, D. and Thapliyal, A. (2012). Avian diversity and its association with vegetation structure in different elevational zones of Nainital district (Western Himalayan) of Uttarakhand International. *International Journal of Biodiversity and Conservation* 4: 364-376
- 8) Sethi, V. K., Bhatt, D., and Kumar, A. (2012) Characteristics and Behavioral Correlates of Call Types in a Tropical Bird, the Pied Bush Chat *Saxicola caprata*. *Pakistan Journal of Zoology* 44: 1231-1238.
- 9) Naithani, A. B. and Bhatt, D. (2012) Bird community structure in natural and urbanized habitats along an altitudinal gradient in Pauri district (Garhwal Himalaya) of Uttarakhand state, India. *Biologia* 67: 800-808.
- 10) Sethi, V. K., Bhatt, D. and Kumar, A. (2012) Dawn song characteristics in the Pied Bush Chat (*Saxicola caprata*) in relation to different breeding stages. *Bioacoustics* 21: 55.
- 11) Sethi, V. K., Bhatt, D., and Kumar, A. and Naithani A. B. (2011) The hatching success in ground and roof-nests of Red-wattled Lapwing *Vanellus indicus* in Haridwar, India *Forktail* 27: 7–10.
- 12) Joshi, K.K. and Bhatt, D. (2011) Avian species distribution in Pine forest and urban habitat of Almora, Uttarakhand, India. *Berkut* 18: 16-21.
- 13) Bhatt, D. and Joshi, K. K. (2011) Bird assemblages in natural and urbanized habitats along elevational gradients in Nainital district, Western Himalaya of Uttarakhand state, India. *Current Zoology* 57: 318–329.
- 14) Sethi, V. K., Bhatt, D. and Kumar, A. (2011) The effect of mate removal on dawn singing behaviour in male pied bush chats. *Current Zoology* 57:72-76.
- 15) Sethi, V. K., Bhatt, D., Kumar, A. and Naithani, A.B. (2010) Aspects of Egg Laying in Indian Robin (*Saxicoloides fulicata*). *Life Science Journal* 7: 138-140.
- 16) Sethi, V. K., Kumar, A. and Bhatt, D. (2010) Egg characteristics and clutch size in an endemic avian species, the Brown Rock Chat in Haridwar, India. *Berkut* 19: 147-152.

- 17) Sethi, V. K., **Bhatt, D.** and Kumar, A. (2010) On the patterns of parental provisioning by the Purple Sunbird *Nectarinia asiatica*. *Sunbird* 40: 39-47.
- 18) Sharma, R. K., Bhatt, D., Sethi, V. K. and Joshi, V. D. (2007) Status and behaviour of White-backed (*Gyps bengalensis*) and Long-billed (*Gyps indicus*) vultures in Rajaji National Park, Uttarakhand, India. *Berkut* (Ukraine) 16: 75-78.
- 19) Sethi, V. K. and Bhatt, D. (2007) Provisioning of young by the Oriental Magpie Robin (*Copsychus saularis*). *Wilson J. Ornithol.* 119: 351-356.
- 20) Laishangbam, S. and Bhatt, D. (2006) Patterns of abundance and diversity of birds in agricultural and urban landscapes in Manipur, northeast India. *J. Ornithol.* 147: 105.
- 21) Sharma, R.C., Bhatt, D. and Sharma, R. K. (2004) Breeding success of the tropical Spotted munia *Lonchura punctutata* in urbanized and forest habitats. *Ornithol. Sci.* 3: 113-117.
- 22) Bhatt, D. and Kumar, A. (2001) Foraging ecology of a tropical avian species Red-vented bulbul *Pycnonotus cafer*. *Forktail* 17: 109-110.
- 23) Bhatt, D. and Kumar, A. (1998) Singing behaviour in Magpie robin *Copsychus saularis*. *Ostrich* 69: 242.
- 24) Bhatt, D. and Sengupta, S. (1991) Evidence for the contribution from a circadian oscillator to the feeding rhythm in a tropical bird, *L. punctulata*. *J. Interdiscipl. Cycle Res.* 22: 361-371.
- 25) Chandola, A., Bhatt, D. and Lakera, P. (1988) Effect of pinealectomy on free running reproductive cycle of tropical Spotted munia. *J. Comp. Physiol. A.* 164: 117-121.
- 26) Bhatt, D. and Chandola, A. (1985) Circannual rhythm in food intake in Spotted munia and its phase relationship with fattening and reproductive cycles. *J. Comp. Physiol. A.* 156: 429-432.
- 27) Chandola, A. and Bhatt, D. (1982) Tri-iodothyronine fails to mimic gonado-inhibitory action of thyroxine in Spotted munia. *Gen. Comp. Endocrinol.* 48:499-503.
- 28) Chandola, A. and Bhatt, D. (1982) Evidence for an endogenous circannual component in the control of the annual gonadal cycle of the Spotted munia. *J. Interdisciplin. Cycle Res.* 12: 281-286.

- 29) Bhatt, D. and Chandola, A. (1982) Daily rhythmicity in the body weight of Spotted munia. *J. Interdispln. Cycle Res.* 13: 167-176.
- 30) Bhatt, D. and Chandola, A. (1981) Photoperiodic synchronization of the circannual body weight cycle of Spotted munia. *Biometeorology* I: 89-90.

(B) Indian Journals:

1. Thapliyal, A., Saklani, A. and Bhatt, D. (2014) Binding pattern of ¹²⁵Iodine thyroxine and tri-iodothyronine in skin and liver tissues of Spotted Munia, *Lonchura punctulata*: co-relation to seasonal cycles of breeding and molting. *Indian Journal of Experimental Biology* 52: 478-488.
2. Sethi, V. K., Bhatt, D. and Kumar, A. (2012) Structure and context of female song in a tropical bird, the Pied Bush Chat. *Current Science* 103: 827-832.
3. Sethi, V. K., Bhatt, D. and Kumar, A. (2012) Dawn singing behaviour of Pied Bush Chat *Saxicola caprata*. *J. Appl. & Nat. Sci.* 4: 241-246.
4. Sethi, V. K., Bhatt, D. and Kumar, A. (2010) Song repertoire size of the Pied Bush Chat *Saxicola caprata*. *Current Science* 100:302-304.
5. Joshi, K. & Bhatt, D. (2011). Birds of three different forest habitats in Nainital district (western Himalaya), Uttarakhand, India. *Indian Birds* 7: 33-37
6. Naithani, A. B. and Bhatt, D. (2010) A checklist of birds of Pauri district, Uttarakhand, India. *Indian Birds* 6:153-157.
7. Sethi, V. K., Bhatt, D., and Kumar, A. (2010) Hatching success in Yellow-wattled Lapwing *Vanellus malabaricus*. *Indian Birds* 5: 139-142.
8. Uniyal, P., Pokhriyal, P., Dasgupta, S., Bhatt, D. and Todaria, N. P. (2009) Study of plant diversity along distribution gradient of Dewalgarh watershed, Uttarakhand. *Current Science* 98: 938-943.
9. Sethi, V. K., Bhatt, D., and Kumar, A. (2009) Avian Biology. *Current Science* 96: 636-637.
10. Sethi, V. K. and Bhatt, D. (2008) Call repertoire of an endemic avian species the Indian Chat *Cercomela fusca*. *Current Science* 94: 1173-1179.
11. Sethi, V. K., Saxena, V. and Bhatt, D. (2006) An instance of the Asian Koel *Eudynamys scolopacea* destroying the nest of a Black-headed Oriole *Oriolus xanthornus*. *Indian Birds* 2: 173-174.
12. Sethi, V. K., Loneux, M. and Bhatt D. (2005) Bird and Environment. *Current Science* 89: 1461-1462.
13. Shyam, R., Joshi, B. D. and Bhatt, D. (2005) A random study of some physico-chemical parameters of effluents at ETP of Rampur distillery. *Himalyan Journal of Environment and Zoology* 19: 199-202.

14. Singh, L. S. and Bhatt, D. (2005) Egg cannibalism in Jungle babbler, *Turdoides straita*, **Indian Birds** 1: 92.
15. Singh, L. S. and Bhatt, D. (2005) How relevant are the concept of species richness and species diversity. **Journal of Biosciences** 30: 101-104.
16. Singh, L. S. and Bhatt, D. (2005) Habitat heterogeneity of the Loktak lake, Manipur **Current Science** 88: 1026-1027.
17. Singh, L.S. and Bhatt, D. (2005) Shannon and Wiener or Shannon and Weaver. **Current Science** 88: 675.
18. Swami, A., Bhatt, D. and Joshi, P. C. (2004) Effect of automobile pollution on Sal (*Shorea robusta*) and Rohini (*Mallotus phillipinensis*) at Asarori, Dehradun. **Himalyan Journal of Environment and Zoology** 18: 103-106.
19. Kumar, A. and Bhatt, D. (2002) Characterization and importance of female song in Magpie robin *Copsychus saularis*. **J. Bombay Nat. Hist. Soc.** 99: 54-58.
20. Singh, R., Bhattacharya. A., Sharma, M., Bhatt, D. and Rekha (2001) Synthetic macrocycles-highly selective extractant for copper (II) ions **J. Indian Chem. Soc.** 78:152-153.
21. Kumar, A. and Bhatt. D. (2001) Characteristics and significance of calls in Oriental magpie robin *Copsychus saularis*. **Current Science** 80: 77-84.
22. Kumar, A. and Bhatt, D. (2001) Preliminary observations on displays and postures in Oriental Magpie robin *Copsychus saularis*. **J. Bombay Nat. Hist. Soc.** 98: 5-11.
23. Bhatt, D. and Sharma, R. (2000) Diversity, status and feeding ecology of avifauna in Motichur area of Rajaji National Park. **Ann. For.** 8: 179-191.
24. Bhatt, D. Joshi, P. K. (2000) Physico-chemical and microbiological characteristics of soil affected by discharge of thermal power station of BHEL Haridwar. **Indian J. Soil Cons.** 28: 80-83.
25. Kumar, A. and Bhatt, D. (2000) Status of migratory avifauna of a subtropical wetland in Ganga valley, Haridwar, India. **Ann. For.** 8: 17-24.
26. Kumar, A. and Bhatt, D. (2000) Vocal signals in a tropical avian species the Red-vented bulbul *P. Cafer*: their characteristics and importance. **Journal of Biosciences** 25: 387-396.
27. Bhatt, D., Kumar, A., Singh, Y. and Payne, R. B. (2000) Song and territory defense in Oriental Magpie robin *Copsychus saularis*. **Current Science** 78: 722-728.
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