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SURVEY OF BIRD FAUNA IN TEMPERATE NAGDEV RESERVE FOREST IN DISTRICT PAURI GARHWAL, UTTARAKHAND, INDIA

SUDESH KUMAR AND SUNIL BHANDARI

Department of Zoology, HNB Garhwal University, Campus Pauri -246001

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ABSTRACT

Bird diversity was studied in temperate Nagdev reserve forest of district Pauri Garhwal, Uttarakhand. The field survey was conducted from April 2015 to September 2015 in the morning hours (5:30am to 9.00am). A total of 58 species belonging to 7 orders and 16 families were observed. Some of common birds observed during survey are fire capped tit, spotted dove, white eared bulbul, black lore tit and streaked laughing thrush. Out of 1672 individuals, the maximum observed birds are White throated laughing thrush, kalij pheasant, blue whistling thrush, black headed jay, grey headed parakeet and birds observed in minimum are rose finch, white napped tit, blue capped rock thrush, rufous tree pie, grey wagtail, chestnut bellied nuthatch, Himalayan blue tail, great barbet, red billed magpie and rufous sibia. **Key words:** Bird fauna, temperate forest, status, species

REFERENCES

- Able, K.P and Noor, B.R.(1976). Avian community structure along elevational gradients in the North Eastern United States. *Oecologia* 26 (3): pp275-294
- Ali, S. (2002). The book of Indian birds.13th revised edition. *Bomb. Nat. Hist Soc.* Oxford University press.
- Bibby, C. J., Burgess N. D., Hill D. A. and Mustoe S.H.(2000). *Birds census techniques*. London: Academic Press, 302 p.
- Bisht, M.S., Lakhera. P. and Chandola-Saklani, A. (1989). The Monal pheasant: Current status and habitat utilization in Kedarnath sanctuary, Garhwal Himalaya, "Pheasant in Asia".Ed. D.A. Hill, World Pheasant Association.U.K. Pp205-208.

Bisht, M.S., Phurailatpam, S. and Kathait, B. S. (2005). Nesting Ecology and breeding

success of Cheer pheasant *Catreus wallichii* in Garhwal Himalaya. India. J. Bom. Nat. Hist. Soc. 102(3): 287-289.

- Block, M.W. and Brennan, L.A. (1993). The habitat concept in ornithology. *Current* Ornithology. 1987; (11): 35-91
- Chandola-Saklani, A., Lakhera, P. and Bisht, M.S. (1988). Current status and distribution of some endangered and wide spread animals of the Garhwal Himalaya. Proc, III *International range land congress*, New Delhi, Vol. II. Pp435-437.
- Cody, M.L. (1974). *Competition and the structure of bird Communities*. Monographs in population Biology. Princeton Uni. Press, Princeton, New Jersey, pp326
- Grimmett, R., Inskip,C.and Inskip,T.(2011). *Birds of the Indian subcontinents*.2nd ed. New Delhi: Oxford University, press.
- Govt.of Uttarakhand. (2002) IDFC, Food & Agri, Divison, Forestry & Rural Development Department. State Secretariat Dehradun, *Agri.-Vision Uttaranchal*, p14.
- Karr, J.R. (1976). Seasonality resource availability and community diversity in tropical bird communities, *Am. Nat.*, 105: 423-435.
- Kattan, G. H. and Franco, P. (2004). Biodiversity along elevational gradients in the Andes of Colombia: area and mass effects. *Global Ecol. Biogeogr*, 13 (5): 541-458.
- Kukreti, M., Phurailatpam, S. and Bisht, M. S. (2005). Ecology of Chukar Partridge Alectoris chukar in Garhwal Himalaya. Proc. of 3rd Int. Galliformes Symp. Dehradun. Eds. Fuller, R.A. and Browne, S.J., World Pheasant Association, Fording bridge U.K, pp195-198.
- Kumar, S., Bisht, M. S., Bhandari, S. and Kukreti, M. (2013). Social behaviour of White crested kalij pheasant *Lophura leucomelanos hamiltonii* (Gray) in Garhwal Himalaya. *Cheetal*,51 (1&2): pp20-28.
- Rahbek, C. (2005). The role of spatial scale and the perception of large-scale species-richness patterns. *Ecology Letters*, 8:pp224–239.
- Verner, J. (1985). Assessment of counting technique. Curr. Ornithol., 2: 247-463.