

LIST OF RESEARCH PUBLICATIONS

Research Papers

1. **Maikhuri, R.K.**, S. Nautiyal, K.S. Rao, K. Chandrasehar, K.G. Saxena and R. Gavali (2000). Analysis and resolution of protected area-people conflicts in Nanda Devi Biosphere Reserve, India. *Environment Conservation* 27: 43-53.
2. **Maikhuri, R.K.**, S. Nautiyal, K.S. Rao and K.G. Saxena (2000). Ethnobiology and indigenous knowledge of different Bhotiya tribal sub-communities of Central Himalaya. *IKDM* 8: 7-13.
3. Rao, K.S., S. Nautiyal, **R.K. Maikhuri** and K.G. Saxena (2000). Management conflicts in Nanda Devi Biosphere Reserve, India. *Mountain Research and Development* 20: 320-323.
4. **Maikhuri, R.K.**, U. Rana, K.S. Rao, S. Nautiyal and K.G. Saxena (2001). Promoting eco-tourism in the buffer zone areas of Nanda Devi biosphere reserve: An option to resolve people-policy conflict. *International Journal of Sustainable Development and World Ecology* 7: 333-343.
5. **Maikhuri, R.K.**, S. Nautiyal, K.S. Rao and K.G. Saxena (2001). Conservation policy-people conflicts: a case study from Nanda Devi Biosphere Reserve (a world heritage site), India. *Forest Policy and Economics* 2: 335-365.
6. Nautiyal, S., **R.K. Maikhuri**, K.S. Rao and K.G. Saxena (2001). Medicinal plant resources in Nanda Devi Biosphere Reserve in the Central Himalaya, India. *Herbs, Spices and Medicinal Plants* 8(4): 47-64.
7. Rao, K.S., **R.K. Maikhuri**, S. Nautiyal and K.G. Saxena (2002). Crop damage and livestock depredation by wildlife: a case study from Nanda Devi Biosphere Reserve, India. *Journal of Environmental Management* 64: 1-11.
8. Nautiyal, S., **R.K. Maikhuri**, K.S. Rao, R.L. Semwal, K.G. Saxena (2002). Agroecosystem function around a Himalayan biosphere reserve. *J. Environmental Systems* 29(1): 71 – 100.
9. Negi, C.S. and **R.K. Maikhuri** (2002). Nanda Devi Biosphere Reserve – Pro-poor tourism: An option. *The Botanica*, 52: 101 – 111.
10. Nautiyal, S., K.S. Rao, **R.K. Maikhuri** and K.G. Saxena (2003). Transhumant pastoralism and sustainable development: a case study in the buffer zone of the Nanda Devi Biosphere Reserve, India. *Mountain Research and Development*, 23(3): 255-262.
11. Rao, K.S., S. Nautiyal, **R.K. Maikhuri** and K.G. Saxena (2002). Local peoples' knowledge, aptitude and perceptions of planning and management issues in Nanda Devi Biosphere Reserve, India. *Environmental Management*, 31(2): 168-181.
12. **Maikhuri, R.K.**, S. Nautiyal, K.S. Rao and K.G. Saxena (1998). Medicinal plants cultivation and biosphere reserve management : A case study from Nanda Devi Biosphere Reserve. *Current Science* 74(2): 157-163.
13. **Maikhuri, R.K.**, S. Nautiyal, K.S. Rao and K.G. Saxena (1998). Role of medicinal plants in the traditional health care system: A case study from Nanda Devi Biosphere Reserve. *Current Science* 75(2): 152-157.

14. **Maikhuri, R.K.**, K.S. Rao, S. Nautiyal and K.G. Saxena (1999). Management planning for Nanda Devi biosphere reserve. *Himalayan Biosphere Reserves* 1: 73-83.
15. Nautiyal, S., K.S. Rao, **R.K. Maikhuri** and K.G. Saxena (2000). Traditional knowledge related to medicinal and aromatic plants in tribal societies in a part of Himalaya. *Journal of Medicinal and Aromatic Plant Sciences* 22(4A)/23(1A): 528-541.
16. Purohti, A., **R.K. Maikhuri**, K.S. Rao and S. Nautiyal (2001). Impact of bark removal on survival of *Taxus baccata* L. in Nanda Devi Biosphere Reserve, Garhwal Himalaya, India. *Current Science* 81(5): 586-590.
17. Negi, C.S., S. Nautiyal, Lokesh Dasila, K.S. Rao and **R.K. Maikhuri** (2002). Ethnomedicinal plant uses in a small tribal community in a part of Central Himalaya, India. *Journal of Human Ecology* 13.
18. Prasad, Pankaj, Kusum Chauhan, L.S. Kandari, **R.K. Maikhuri**, Aditya Purohit, R.P. Bhatt and K.S. Rao (2002). *Morchella esculenta* (Guchhi): need for scientific interventions for its cultivation in Central Himalaya. *Current Science* 82(9): 101-103.
19. Purohit Aditya, **R.K. Maikhuri**, K.S. Rao and S. Nautiyal (2002). Revitalizing drink: An assessment of traditional knowledge system in Bhotiya community of central Himalaya, India. *Indian Journal Traditional Knowledge* 1(1): 72-80.
20. Nautiyal, S., **R.K. Maikhuri**, K.S. Rao and K.G. Saxena (2003). Ethenobotany of the Bhotiya tribe of the buffer zone village of Nanda Devi Biosphere Reserve. *Journal of Economic and Taxonomic Botany* 23(1): 119-141.
21. Negi, C.S., S. Nautiyal, Lokesh Dasila, K.S. Rao and **R.K. Maikhuri** (2002). Ethnomedicinal plant uses in a small tribal community in a part of Central Himalaya, India. *Journal of Human Ecology*, 13.
22. **Maikhuri, R.K.**, K.S. Rao, S. Nautiyal, C.S. Negi, Aditya Purohit and K.G. Saxena (2003). Ecotourism an option for protected area management: A case study of Nanda Devi Biosphere Reserve, Uttaranchal. *Journal of Tourism*, 5(2): 127-137.
23. Kala, C.P., K.S. Rao, **R.K. Maikhuri** and K.S. Negi (2003). Comparative assessment of the Valley of Flowers National Park and its adjacent areas in Chamoli district of Uttaranchal. *Indian Forester*, 1085-1089.

Chapters in Books/Proceedings:

1. Rao, K.S., **R.K. Maikhuri** and K.G. Saxena (1996). Land redevelopment strategies and their implication in biosphere reserve management. In: Ramakrishnan, P.S., A.N. Purohit, K.G. Saxena, K.S. Rao and R.K. Maikhuri (eds.), *Conservation and Management of Biological Resources in Himalaya*. Oxford and IBH publication, New Delhi, pp. 555-568.
2. Saxena, K.G., K.S. Rao and **R.K. Maikhuri** (1996). Biodiversity concerns in the high altitude Himalayas. In: Ramakrishnan, P.S., T.C. Yap, K.G. Saxena and A.K. Das (eds.), *Conserving Biodiversity for Sustainable Development*. INSA, New Delhi, pp. 171-188.
3. **Maikhuri, R.K.**, U. Rana and K.S. Rao (1998). Indigenous knowledge system on edible oil resource in Central Himalaya. In: Bhasin, M.K. and S.L. Malik (eds.), *Contemporary Studies in Human Ecology: Kumaon Pradesh*. Delhi, pp. 122-127.

4. **Maikhuri, R.K.**, S. Nautiyal, K.S. Rao, K.G. Saxena and R.L. Semwal (1998). Traditional community conservation in the Indian Himalayas: Nanda Devi Biosphere Reserve. In: Kothari, A., N. Pathak, R.V. Anuradha and B. Taneja (eds.), *Communities and Conservation: Natural Resource Management in South and Central Asia*. Sage Publications, New Delhi, pp. 403-423.
5. **Maikhuri, R.K.**, K.S. Rao, L.M.S. Palni and R.K. Rai (1998). Biosphere reserve programme in India. In: Maikhuri, R.K., K.S. Rao and R.K. Rai (eds.), *Biosphere Reserves and Management in India*. Ajanta Publication, Nainital, pp. 1-7.
6. **Maikhuri, R.K.** and K.S. Rao (1998). Traditional crop diversity in the buffer zone villages of Nanda Devi Biosphere Reserve. In: Maikhuri, R.K., K.S. Rao and R.K. Rai (eds.), *Biosphere Reserves and Management in India*. Ajanta Publication, Nainital, pp. 129-135.
7. Nautiyal, S., **R.K. Maikhuri**, K.S. Rao and R.L. Semwal (1998). Conservation through cultivation: A case study of medicinal plants in buffer zone villages of NDBR. In: *Research for Mountain Development: Some Initiatives and Accomplishments*, Gyanodaya Prakashan, Nainital, pp. 342-357.
8. **Maikhuri, R.K.**, S. Nautiyal, U. Rana, S. Tiwari, K.S. Rao and K.G. Saxena (2000). Garhwal Himalaya: Nanda Devi Biosphere buffer zone – Socio-ecological profile. In: Ramakrishnan, P.S., U. Chandrashekar, C. Elouard, C.Z. Guilmota, R.K. Maikhuri, K.S. Rao, S. Sankar and K.G. Saxena (eds.), *Mountain Biodiversity, Land Use Dynamics and Traditional Ecological Knowledge*. UNESCO and Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 219-226.
9. **Maikhuri, R.K.**, S. Nautiyal, U. Rana, S. Tiwari, K.S. Rao and K.G. Saxena (2000). Garhwal Himalaya: Nanda Devi Biosphere Buffer Zone – Traditional agroecosystems. In: Ramakrishnan, P.S., U. Chandrashekar, C. Elouard, C.Z. Guilmota, R.K. Maikhuri, K.S. Rao, S. Sankar and K.G. Saxena (eds.), *Mountain Biodiversity, Land Use Dynamics and Traditional Ecological Knowledge*. UNESCO and Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 227-238.
10. **Maikhuri, R.K.**, S. Nautiyal, U. Rana, S. Tiwari, K.S. Rao and K.G. Saxena (2000). Garhwal Himalaya: Nanda Devi Biosphere buffer zone – Animal husbandry. In: Ramakrishnan, P.S., U. Chandrashekar, C. Elouard, C.Z. Guilmota, R.K. Maikhuri, K.S. Rao, S. Sankar and K.G. Saxena (eds.), *Mountain Biodiversity, Land Use Dynamics and Traditional Ecological Knowledge*. UNESCO and Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 240-252.
11. **Maikhuri, R.K.**, S. Nautiyal, U. Rana, S. Tiwari, K.S. Rao and K.G. Saxena (2000). Garhwal Himalaya: Nanda Devi Biosphere buffer zone – Forest ecosystems. In: Ramakrishnan, P.S., U. Chandrashekar, C. Elouard, C.Z. Guilmota, R.K. Maikhuri, K.S. Rao, S. Sankar and K.G. Saxena (eds.), *Mountain Biodiversity, Land Use Dynamics and Traditional Ecological Knowledge*. UNESCO and Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 253-264.
12. **Maikhuri, R.K.**, S. Nautiyal, U. Rana, S. Tiwari, K.S. Rao and K.G. Saxena (2000). Garhwal Himalaya: Nanda Devi Biosphere buffer zone – Village ecosystems. In: Ramakrishnan, P.S., U. Chandrashekar, C. Elouard, C.Z. Guilmota, R.K. Maikhuri, K.S. Rao, S. Sankar and K.G. Saxena (eds.), *Mountain Biodiversity, Land Use Dynamics and Traditional Ecological Knowledge*. UNESCO and Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 265-298.

Garhwal Himalaya: Nanda Devi Biosphere buffer zone – Reserve-people conflicts. In: Ramakrishnan, P.S., U. Chandrashekar, C. Elouard, C.Z. Guilmo, R.K. Maikhuri, K.S. Rao, S. Sankar and K.G. Saxena (eds.), *Mountain Biodiversity, Land Use Dynamics and Traditional Ecological Knowledge*. UNESCO and Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 299-309.

14. **Maikhuri, R.K.**, S. Nautiyal, U. Rana, S. Tiwari, K.S. Rao and K.G. Saxena (2000). Garhwal Himalaya: Nanda Devi Biosphere buffer zone – Ecosystem rehabilitation and conflict resolution. In: Ramakrishnan, P.S., U. Chandrashekar, C. Elouard, C.Z. Guilmo, R.K. Maikhuri, K.S. Rao, S. Sankar and K.G. Saxena (eds.), *Mountain Biodiversity, Land Use Dynamics and Traditional Ecological Knowledge*. UNESCO and Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi, pp. 310-324.
34. **Maikhuri, R.K.**, S. Nautiyal and K.S. Rao (2001). Medicinal plant cultivation practices of Bhotiyas in Nanda Devi Biosphere Reserve villages of Garhwal Himalaya. In: Samant, S.S., U. Dhar and L.M.S. Palni (eds.), *Himalayan Medicinal Plants: Potential and Prospects*. Gyanodaya Prakashan, Nainital, pp. 217-328.
35. **Maikhuri, R.K.**, K.S. Rao, S. Nautiyal, A. Purohit and S.D. Tiwari (2002). Agroecosystem management of Nanda Devi Biosphere Reserve. In: Sharma, J.K., P.S. Easa, C. Mohanan, N. Sasidharan and R.K. Rai (eds.), *Proceedings of Biosphere Reserve in India and Their Management*, pp. 122-126.
36. **Maikhuri, R.K.** and K.S. Rao (2002). Inventory, commercialization and conservation of agrobiodiversity for sustainable development of the buffer zone villages of Nanda Devi Biosphere Reserve. In: Sharma, J.K., P.S. Easa, C. Mohanan, N. Sasidharan and R.K. Rai (eds.), *Proceedings of Biosphere Reserve in India and Their Management*, pp. 128-130.
37. **Maikhuri, R.K.**, K.S. Rao, S. Nautiyal, Aditya Purohit, R.L. Semwal and K.G. Saxena (2002). Management options for Nanda Devi Biosphere Reserve. In: Ramakrishnan, P.S., R.K. Rai, R.P.S. Katwal and S. Mehndiratta (eds.), *Traditional Ecological Knowledge for Managing Biosphere Reserves in South and Central Asia*. UNESCO & Oxford IBH Publishing Co.Pvt.Ltd., New Delhi, pp. 49-70.
38. Rao, K.S. R.L. Semwal, **R.K. Maikhuri**, S. Nautiyal, K.K. Sen and K.G. Saxena (2002). Traditional natural resource management in Central Himalaya and its relevance to biosphere reserve management. In: Ramakrishnan, P.S., R.K. Rai, R.P.S. Katwal and S. Mehndiratta (eds.), *Traditional Ecological Knowledge for Managing Biosphere Reserves in South and Central Asia*. UNESCO & Oxford IBH Publishing Co.Pvt.Ltd., New Delhi, pp. 71-96.
39. **Maikhuri, R.K.**, K.S. Rao, S. Nautiyal, R.L. Semwal and K.G. Saxena (2001). Ethnobiology and indigenous knowledge related to health care system of the Bhotiya tribe of Nanda Devi biosphere reserve, Central Himalaya, India. In: *Proceedings of VII International Congress of Ethnobiology*. Georgia University, Athens, USA (In press).
40. **Maikhuri, R.K.**, S. Nautiyal, K.S. Rao and K.G. Saxena. Medicinal plants cultivation in Nanda Devi Biosphere Reserve buffer zone villages. In: Singh, V.K., J.N. Gavil and Gurdip Singh (eds.). *Ethnomedicine & Pharmacognosy* (In press).
41. Rao, K.S., **R.K. Maikhuri** and K.G. Saxena (2001). Present and future reconciliation among traditional societies for sustainable livelihood development in Himalaya. In: Jhunjhuwala, B. (ed.). *Proceedings of a Seminar on Ecological History and Tradition*. CSE, New Delhi (In press).

42. Rao, K.S., **R.K. Maikhuri**, S. Nautiyal and K.G. Saxena. 2000. Ethnobotany of Tolchha sect of Bhotiya community of Garhwal Himalaya. In: Singh, V.K., J.N. Gavil and Gurdip Singh (eds.). *Ethnomedicine & Pharmacognosy*. Vol I. (In press).
43. Rao, K.S., **R.K. Maikhuri**, S. Nautiyal and K.G. Saxena. Crop damage and livestock deprecation caused by wildlife: a case study from Nanda Devi Biosphere Reserve, U.P., India (In press).

Monographs

1. **Maikhuri, R.K.**, S. Nautiyal and K.S. Rao (1999). *Nanda Devi Jaiv Mandal Arkshit Kshetra) Biosphere Reserve) mein Aushdhiy Padapo ki Parmpragat Krishi Takniki*. G.B. Pant Institute of Himalayan Environment and Development, Kosi, Almora, 22 p.
2. **Maikhuri, R.K.**, S. Nautiyal and K.S. Rao (2002). *Nanda Devi Jaiv Mandal Arkshit Kshetra) Biosphere Reserve) mein Aushdhiy Padapo ki Parmpragat Krishi Takniki* (Second Edition). G.B. Pant Institute of Himalayan Environment and Development, Kosi, Almora, 24 p.
3. **Maikhuri, R.K.**, K.S. Rao and S. Nautiyal (2002). *Vishva Dharohar Sthal (World Heritage Site) Nanda Devi Jaiv Mandal Arkshit Kshetra: Prakritik Sansadhano ke Satat Upyog Evam Prabandhan Hetu Sujhav*. G.B. Pant Institute of Himalayan Environment and Development, Kosi, Almora, 25 p.

Package of Practice in Hindi (Leaflets)

1. **Maikhuri, R.K.** and K.S. Rao (2002). Uchch Shikhariy Aushdhiy Padapon ki Krishi ko Badhava Dene ke Liye Krishikaran Takaniki ka Vikas evam Pradarshan (Research experience from Central Himalaya).
2. **Maikhuri, R.K.** and K.S. Rao (2002). Nanda Devi Jaivmandal Arakskit Kshetra mein Satat Vikas, Jaiv Vividhata Sanrakshan evam Vivad Vishleshan, Hetu Ea Samanvit Dristikon.

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1. **Maikhuri, R.K.** and K.S. Rao (1998). A Ban on common sense. *Down to Earth*, January 31, pp 36.
2. **Maikhuri, R.K.** and Anoop Singh. Uchcha Shikhariaya Himalaya Kshetra Ke Gramin Vikas Ke Liye Ek Bahu-Upyogi Prajati Ka Paudha - Ames (*Hippophae rhamnoides*).
3. Nautiyal, S., **R.K. Maikhuri** and K.S. Rao (1998). Paramparagat Chikitsa Padhati Mein Jari-Butiyo ka Yogdan: Ek vishisht adhyayan. *Hima-Paryavaran Newsletter* 10(2): 20-21.
4. Nautiyal, S., K.S. Rao and **R.K. Maikhuri** (2003). Aushdhiy evam sugandh padpo ka utpadan: Karyashalaye krishikaran ke protsahan hetu vyavaharik vikalp. *Hima Paryavaran Newsletter* 14 (1 & 2) & 15 (1): 27-30.