Climate Change and Role of Communities in Adaptation and Mitigation

Edited by:

Ch. Murlikrishna P.K.Shukla Pratibha Bhatnagar Jyoti Singh

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Pratibha Bhatnagar and Jyoti Singh

About the Editors

Mr. Ch. Murlikrishnan was born on 8th October, 1958 in East Godavari district of Andhra Pradesh. He obtained his master's degree in Zoology. After completing his education, he served in Food Corporation of India for some time before his selection in the Indian Forest Service in the year 1984. He joined Indian Forest Service on 27th May, 1985 and was allotted Madhya Pradesh cadre. During his service in Madhya Pradesh, he held many important positions including those of Additional Secretary to the Govt. of Madhya Pradesh, Chief Conservator of Forests (Research & Extension), Seoni; Field Director, Bandhavgarh Tiger Reserve, Additional Principal Chief Conservator of Forests (Working Plan), Jabalpur and finally, Director, State Forest Research Institute, Jabalpur, the post from which he retired on 31st October, 2018 after attaining the age of superannuation.

Dr. P.K. Shukla did his M.Sc. (Physics) in 1974 from the University of Allahabad and Ph.D. from Sagar University. He retired from the post of Principal Chief Conservator of Forests. His contribution to research in forestry and management of forests is tremendous. He has been Director, State Forest Research Institute and Director, Tropical Forest Research Institute and has contributed a large number of research papers published in national & international journals, books, bulletins, notes etc. He has been editor of Journal of Tropical Forestry Scientists from its inception. He has presented many papers in international conferences. Currently he is working as Regional Director, Regional cum Facilitation Centre, Central Region of National Medicinal Plants Board.

Dr. Pratibha Bhatnagar obtained her M.A. (Economics) degree in 1984, She has been working as Scientist at State Forest Research Institute, Jabalpur. She has authored some books and a large number of research papers. She heads Social Economics and Marketing Division at the Institute and has undertaken a large number of research projects. Currently, she is coordinator, Climate Change Cell at SFRI.

Dr. Jyoti Singh, is working as Senior Research Officer in Forest Ecology & Environment Branch, State Forest Research Institute, Jabalpur. She was awarded Ph.D in Botany from Rani Durgavati University, Jabalpur (M.P.). She has 28 years of research experience in various fields of forestry and also to conduct various (externally and internally funded) research projects.

Preface

Shri Nayan Singh Dungriyal
Director
State Forest Research Institute, Jabalpur (M.P.)

Climate change making wide ranging impacts on environment and all living beings is now a harsh reality. This problem has recently assumed alarming proportions due to unprecedented rise in the levels of concentration of green house gases (GHGs) as a result of rapid industrial growth and boom in developmental and other anthropogenic activities inimical to health of environment. There is now an increasing realisation of this all-encompassing problem at international, national and region levels and efforts are therefore, afoot to devise ways for the mitigation of and adaptation to climate change. In our institute also, we have created a special 'climate change cell' to deal with this issue and coordinate research efforts related to the mitigation and adaption of climate change in forestry sector, especially in context of the state of Madhya Pradesh.

We organised National Seminar on “Climate Change and Role of Communities for Adaptation and Mitigation on “18-19 September 2017 at our institute. The financial and academic support received from EPCO, Bhopal. in organizing this seminar is thankfully acknowledged. We received an overwhelming response from researchers, field workers, academicians, officials and other stakeholders. Total 36 oral and 31 poster presentations were made in the seminar covering a wide spectrum of themes related to climate change, especially in forestry and agriculture sectors.

The present book is a compilation of selected contributions in the form of paper presentations. Wherever required, the editorial team has edited and abridged the papers before incorporating in this book, I express my deep sense of appreciation to the whole editorial team comprising of Shri Ch. Murlikrishna, my predecessor in office, Dr. P.K. Shukla, retired PCCF, Dr. Pratibha Bhatnagar, Senior Scientist & Coordinator, Climate Change Cell and Dr. Jyoti Singh, SRO & Incharge Ecology Branch for their painstaking efforts. I also congratulate and thank all the authors for their valuable contribution in writing and presenting the papers. I sincerely hope that our this modest effort of organising the seminar and publishing selected contributions in book form will be of some use to the stakeholders.

(N.S. Dungariyal)

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