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Publications

No. of Research Papers/ Popular Articles : 26
No. of Books/Manuals : 02
Book Chapters : 03
Policy Documents : 02
No. of Leaflets : 05

Areas of specialization and Interest:

Soil and Water Conservation Engineering
Hydrology
Farm Mechanization
Use of Plastics in Agriculture

Top 10 Publications:

1. Kaman, B. "Conservation of Agricultural lands", Parliamentary Documentation, Vol. XXXIII, No. 13, 1-15 Jul'2007.
2. Kaman, B. "Impact of Irrigation on Poverty", Parliamentary Documentation, Vol. XXXIII, No. 16, 16-31 Aug'2007.
3. Satapathy, K K and Kaman, B "Hydrological Gauging of Small Watersheds", Book published by Director, ICAR Research Complex for NEH Region, Umiam, 2009.
4. . Satapathy, K K and Kaman, B "Estimation of Throughfall in Pine Tree (*Pinus Kesiya*) in Meghalaya", Indian Journal of Soil Conservation, Vol. 36, No. 3, Dec'2008.
5. Satapathy, K K and Kaman, B "Throughfall of Pine forest – A case study in Meghalaya" in "Hydrology and Watershed Management" Ed. Virendra Kumar et. al., Himangshu Publishers, Udaipur, 2005.
6. Kaman, B "Mathematical model for Erosion study in the braided channels of Majuli Island" in National Seminar on "Water and Land Management including CAD for Socio-Economic Upliftment of N E Region", North Eastern Regional Institute of Water and Land

Management (NERIWALM) at Guwahati, India, 22-23rd Nov'2001.

7. Kaman, B "Assessment of Natural Resources through participatory approach in Watershed of Meghalaya", National Conference on Resource Conservation Technologies for Social Upliftment, Indian Association of Soil & Water Conservationists, NASC, New Delhi, 7-9th Dec' 2004.

8. Kaman, B "Water Resource Management of the Brahmaputra Basin", Proceedings, Seminar on: Shared Water-Shared Opportunities, The Institution of Engineers (India), Guwahati, 20th May'2009.

9. Kaman, B "Water Harvesting and Ground Water Recharge", SouveNEER-Water Awareness Week 2012 by Oil Indian Limited.

10. Kaman, B "Modernization of Agriculture for Economic Growth in North East and its Opportunities in Agriculture", Book chapter in "Entrepreneurship Development- The North East Indian Context" Eds. S K Kashyap, Published by Principal, Barbhag College, Nalbari, Assam, 2015.

Technologies
Evaluated/Popularized:

- Pitcher Drip Irrigation in Banana & Betel vine
- Polythene mulching in Pineapple
- Micro irrigation- Drip & Sprinkler
- Water harvesting
- Low cost Polyhouse
- Walk behind type paddy transplanter
- Adjustable row marker
- Tractor operated multicrop Thresher
- Animal drawn potato digger
- Bed and Furrow System
- Tractor operated seed drill

Membership of Professional
Societies:

- Indian Association of Soil and Water Conservationists
- Institution of Engineers (India)
- Indian Water Resource Society
- International Association of Hydrological Sciences
- Soil Conservation Society of India
- Indian Society of Agricultural Engineers
- Assam Science Society