

EXPERT FOR CONSULTANCY SERVICES IN THE FIELD OF NATURAL RESOURCES MANAGEMENT

CURRICULUM VITAE OF DR YOGENDRA AGNIHOTRI

Specialization: Social Scientist cum Watershed Development Expert
Name: Dr Yogendra Agnihotri
Date of birth: Jan 1, 1945
Field of specialization: Socio Economic evaluation/ water shed evaluation
Membership in professional Societies: Indian Association of Soil & Water Conservationists & Trainees, Dehradun
Soil Conservation Society of India, New Delhi
Indian Water Resources Society, Roorkee
Indian Society of Agricultural Statistics, New Delhi
Indian Association of Hydrologists, Roorkee
Indian Meteorological Society, New Delhi

Key Qualification:

Dr. Yogendra Agnihotri has very wide and diversified experience of over 42 years in the field of watershed development & management, project management and input as social scientist He has worked in watersheds namely Sukhomajri, Nada & Bunga in Haryana, Relmajra in Punjab and Una and Mandhala in Himachal Pradesh. Dr Agnihotri was involved in the watershed projects specially for motivating the villagers to participate in the programme, carrying out PRA exercises, constitution of water users' association (WUA), arranging periodical meetings of WUA members and formation of SHGs etc. He has conducted socio economic evaluation of various watershed projects and water harvesting systems. One NATP project in Shivalik area was also handled by him during 1999-2003, where in he did socio economic evaluation of nine watershed projects implemented by various state agencies in Punjab, Haryana and Himachal Pradesh.

Education: Ph.D. (Statistics)
Master of Statistics
M.Sc. (Mathematics)
Certificate course in Participatory
Forest management

Training: Six months' training in Soil & Water Cons, Min. of Agri.,
Govt of India

Employment Record:

Jan, 2007 to date: Associated with SOCIETY FOR PROMOTION AND
CONSERVATION OF ENVIRONMENT (SPACE),
a registered body based at Chandigarh

July, 1998 to Dec, 2006 CENTRAL SOIL & WATER CONS RES & TRAINING
INSTITUTE (CSWCRTI), RESEARCH CENTRE,
CHANDIGARH AS PRINCIPAL SCIENTIST

1 Project Name: Resource conservation through watershed management in Shivalik foot hills of Punjab & H.P.

Nature of duties: I worked as a leader of the project in Punjab (Rel majra). I was involved in organizing the community to participate in the watershed development. Monitoring and evaluation of various physical and social indicators of development was the special task assigned to me. I brought out a bulletin entitled, "Environmental impact assessment of participatory watershed management in shivaliks-Relmajra" running into 171 pages covering findings of the study along with publishing a number of research papers. I worked in village Mandhala of H.P. where an old village pond was renovated creating water resource for irrigation. My role there was to motivate & empower the society to participate in the programme. PRA exercise was organized, a report was prepared. I did intensive monitoring of development of the village & took up studies. Three research papers were published by me.

2 Project Name: Methodologies for development and analysis of watersheds and decision support systems for interventions

Nature of duties rendered: I worked as a co-operating centre PI of the project run during 1999-2003. Nine watersheds, two in H.P., three in Haryana and four in Punjab were picked up for detailed post project evaluation. Completion report was prepared in detail and submitted to the Director, NATP (Hill & mountain Agro Ecosystem).

July, 1998 to July, 1982 CSWCRTI, RESEARCH CENTRE, CHANDIGARH
AS SENIOR SCIENTIST

Nature of duties rendered: As a Senior Scientist, I was engaged in planning and implementation of the watersheds namely, Bunga in Haryana Shivaliks, Una in H.P. Shivaliks & Relmajra in Punjab Shivaliks. I was assigned to monitor and evaluate the works, to assist in formation of Water Users' Society and to study People's participation and gender issues. Brief outline of the work done in Bunga and Una is given below:-

Bunga: Watershed development in one of this 47 national Watershed was done by constructing rain water harvesting dam to irrigate 243 ha of irrigated land. I worked on organizing a Village level society called "hill resources society (HRMS)" for community participation in implementation of works and institutionalize the community participation. Monitoring and evaluation of diversification of crops, change in animal composition, environmental change, community asset, working of HRMS and increase in house hold income was worked out by me. A number of research papers and a bulletin were published by me during the tenure.

Una: In the flood and drought control

watershed project the strategy was to develop the watershed mainly through construction of earthen dam and creation of water resource. My role there in was implementation of the Watershed works, assisting in formation of “water users’ society” & impact evaluation of watershed works on production, environmental and social aspects.

June, 1982 to Jul, 1976: CSWCRTI, RESEARCH CENTRE, CHANDIGARH AS SCIENTIST S-1

1 Project Name: Operational Research Project(ORP) on watershed development for sediment, drought and flood control, Sukhomajri

Nature of duties rendered: My primary role in the world famous Sukhomajri project was monitoring and evaluation of watershed interventions on agriculture, animal husbandry, milk yield& environmental status in the village. Many papers and two bulletins were authored by me. The project also received ample focus of the press media.

2 Project Name: ORP, Nada, distt. Panchkula, Haryana.

Nature of duties rendered: Three earthen dams were constructed as an implementation part of the project and my job there in was vegetation monitoring apart from studying socioeconomic aspect of the village development. Production models for an exclusive Harijan hamlet in Nada with meager land holdings were developed. Employment and income generation programmes for the harijans were taken up and studied by me.

June, 1976 to Oct, 1975: CSWCRTI, RESEARCH CENTRE, CHANDIGARH AS SCIENTIST-S

1 Project Name: Studies on small watershed interventions on runoff, soil loss& peak discharge

Nature of duties rendered: I was involved in small watershed (numbering at 9) studies at the center’s research farm. Runoff, soil loss & peak discharge relation ship equations were developed using single watershed and paired watershed techniques. Effect of vegetative and mechanical watershed interventions were evaluated.

Sep, 1975 to May, 1964: CSWCRTI, RESEARCH CENTRE, CHANDIGARH/AGRA AS TECHNICAL ASSISTANT

1 Project Name: Hydro meteorological studies and relevant climatic associates in relation to soil& water conservation

Nature of duties rendered: I handled this assignment at chandigarh as well as at Agra. Meteorological data was collected, compiled, processed , analyzed and interpreted by me. Two bulletins entitled “Climatic features of Chandigarh(pp103)”in 1989 and the other “Weather trends at Chandigarh (pp130)”in 2006 was brought out by me.

2 Project Name: Small watershed hydrological studies

Nature of duties rendered: I conducted small watershed hydrological studies at Agra and Chandigarh. Data collection, compilation, application of statistical techniques and writing of report was done by me. Production models in the watersheds were also developed.

Languages:	<u>Language</u>	<u>Speak</u>	<u>Read</u>	<u>Write</u>
	English	yes	yes	yes
	Hindi	yes	yes	yes
	Punjabi	yes	yes	yes

Awards:

1. I am recipient of **ICAR team research award** for contribution in the field of Natural Resource Management (1994-96)
2. Honored with **fellowship** by the Indian Association of Soil and Water conservationists, Dehra Dun (2008) for significant **Contribution to the cause of Conservation of natural resources.**

Publications:

Research papers	144
Technical bulletins	10
Book chapters	8
Consultancy project reports	6

Consultancies undertaken:

1. Conservation practices for sustainable production from rain fed areas in Haryana Shivaliks (1999-2000) client agency: Director, Deptt of Agric Haryana
2. Shivalik watershed development strategy for H.P.(1998-99), client agency, Director, IWDP (Hills), H.P., Solan
3. Evaluation study of NWDPR, Haryana(1998-99), client agency: Director, Deptt of agric., Haryana
4. Impact evaluation study of Raipur Rani Watershed, Panchkula, Haryana(2004-05) implemented under NWDPR, client agency: Ministry of Agriculture, Govt. of India

(Yogendra Agnihotri)

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HARYANA**

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