




**CENTRAL INLAND FISHERIES RESEARCH INSTITUTE**  
(Indian Council of Agricultural Research)  
Barrackpore, Kolkata – 700 120, West Bengal



Name	:	SUBIR KUMAR NAG	
Designation	:	PRINCIPAL SCIENTIST	
Academic Background	:	B. Sc.(Ag.) Hons., M. Sc (Ag) In Agricultural Chemistry & Soil Science Ph. D (IARI) in Agricultural Chemicals	
Discipline	:	Agricultural Chemistry	
Total Research Experience (year):	:	19 years	
Research Focus	:	Persistence and chemistry of pesticides and other chemical pollutants in environment, GHG emission and carbon sequestration	
Current area of Research	:	Monitoring of aquatic environment for pesticides & other organic contaminants; Carbon sequestration potential of wetlands	
Academic contributions (PG & Ph. D guide)	:	Guided two students for their Ph.D. degree in Chemistry	
Awards & Recognitions	:	Lal Bahadur Shastri Young Scientist Award of Indian Council Agricultural Research, New Delhi for the biennium 1999-2000  Endeavour Post Doctoral Research Fellowship-2010 sponsored by the Commonwealth Department of Education, Employment and Workplace Relations (DEEWR), Government of Australia for six months, from 16-04-2010 to 15-10-2010  International training under HRD Program of NAIP in the area of Carbon Trading/Carbon Sequestration/Climate Change at Carbon Management & Sequestration Center, School of Environment and Natural Resources, The	

Ohio State University, Columbus, Ohio for three months, from 16-10-2013 to 15-01-2014

Received **Best Paper** award at Indian Grassland and Fodder Research Institute, Jhansi on the occasion of its 50<sup>th</sup> Foundation Day as co-author of the paper “*In vitro* methane emission from Indian dry roughages in relation to chemical composition” published in ***Current Science*** 101(1): 57-65.

Received **Best Paper** award at Indian Grassland and Fodder Research Institute, Jhansi on the occasion of its 51<sup>st</sup> Foundation Day as co-author of the paper “Nutritional evaluation of organically grown fodders in lactating Murrah buffaloes (*Bubalus bubalis*)” published in ***Tropical Animal Health and Production*** 45(1): 251-257.

Supervisor for Ph. D. in Chemistry at Bundelkhand University, Jhansi, UP, India

No. of Publications	:	<b>Research papers 35</b>
<b>National</b>	:	<b>22</b>
<b>International</b>	:	<b>13</b>
		<b>Book Chapter : 08</b>
<b>National</b>	:	<b>06</b>
<b>International</b>	:	<b>02</b>

List of Important 10 (ten) publications :

1. **Subir K. Nag** and Prem Dureja (1997). Photodegradation of azole fungicide triadimefon. ***Journal of Agricultural and Food Chemistry*** 45: 294 – 298.

2. **Subir K. Nag** and Prem Dureja (1996). Phototransformation of triadimefon on glass and soil surfaces. *Pesticide Science* **48**: 247 - 252.
3. **Subir K. Nag**, Rai Kookana, Lester Smith, Evelyn Krull, Lynne MacDonald and Gurjeet Gill (2011). Poor efficacy of herbicides in biochar-amended soils as affected by their chemistry and mode of action. *Chemosphere* **84**: 1572 - 1577.
4. **Subir K. Nag** and Mukesh K. Raikwar (2011). Persistent organochlorine pesticide residues in animal feed. *Environmental Monitoring and Assessment* **174**(1): 327.
5. **Subir K. Nag** and Mukesh K. Raikwar (2008). Organochlorine pesticide residues in bovine milk. *Bulletin of Environmental Contamination and Toxicology* **80** (1): 5-9.
6. **Subir K. Nag**, S.K. Mahanta, Mukesh K. Raikwar, B.K. Bhadoria (2007). Residues in milk and production performance of goats following the intake of a pesticide (endosulfan). *Small Ruminant Research* **67**: 235-242.
7. Mukesh K. Raikwar and **Subir K. Nag** (2006). Phototransformation of alphacypermethrin as thin film on glass and soil surface. *Journal of Environmental Science and Health (Part B) Pesticides, Food Contaminants and Agricultural Wastes B* **41**(6): 973-988.
8. Sultan Singh, B. P. Kushwaha, **S. K. Nag**, A. K. Mishra, S. Bhattacharya, P. K. Gupta and A. Singh (2011). *In vitro* methane emission from Indian dry roughages in relation to chemical composition. *Current Science* **101**(1): 57-65.
9. Sultan Singh, B. P. Kushwaha, **S. K. Nag**, S. Bhattacharya, P.K. Gupta, A. K. Mishra and A. Singh (2012). Assessment of enteric methane emission of Indian livestock in different agro-ecological regions. *Current Science* **102**(7): 1017-1027.
10. Sultan Singh, B. P. Kushwaha, **S. K. Nag**, A. K. Mishra, A. Singh and Anele, U.Y. (2012). *In vitro* ruminal fermentation, protein and carbohydrate fractionation,

methane production and prediction of twelve commonly used Indian green forages. ***Animal Feed Science and Technology*** 178(1-2): 2-11.

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