

Name: DR. AMARENDRA NATH DEY

Designation: Associate Professor

Date of Birth: 20/02/1972

Educational Qualification: B.Sc. (Forestry); M. Sc. Forestry (Silviculture);

Ph.D. Forestry; NET (ICAR) in Forestry

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Area of Specialization : Silviculture

Areas of Interests : Agroforestry, Forest seed science and Technology, Forest Biometry, Tree Physiology and Taxonomy, Biodiversity Assessment, Carbon Stock and Carbon Sequestration in relation to Environmental Science.

Service Experience : 12 years in UBKV, Pundibari, Cooch Behar, W. B.

Teaching Experience : UG, PG and Ph. D. programme in Forestry
(Course handled – UG - 3; PG – 6; Ph.D.-3)

Research Guidance : M.Sc. – 1 awarded; M.Sc. – 2 & Ph.D. – 1 Continuing

Research Publications : Research papers -26; Book Chapter -04; Proceedings-03; Book - 01

Training : Summer/ Winter School -02(21 days): Short Course- 05

Seminar/Conference : 18

Awards Obtained : Best paper award for the year 2004 from **Gourav Society of ARIC in Crop Research**

Projects Handled : 02 (Two)

Life Member of Societies : 02 (Two)

Extension Experiences : TV programme - 02; HRD training programme for Officers and Farmers – 31

Nominated Member : As a member of **Buxa Tiger Conservation Foundation Trust (BTCFT)**, Directorate of Forest, Government of West Bengal.

List of Publication

I. Research Paper:

Sl. No.	Name of Authors	Year	Title of the Paper	Name of the Journal	ISSN No.	NAAS Rating 2014)
1	Malla, S.; Shukla, G.; Dey, A. N. and Chakravarty, S.	2011	Effect of applied nitrate on growth and nodulation of <i>Albizia lebbek</i> seedling	<i>Ind. J. of Forestry</i>	0971 - 9431	3.39
2	Datta, S. and Dey A. N.	2010	Effect of N and K on growth and yield of sweet flag (<i>Acorus calamus</i> L.)	<i>Green Technology</i>	0973 - 2624	Peer Reviewed
3	Shukla, G.; Dey, A. N. and Chakravarty, S.	2010	Standardization of growing media and seed size for germination and seedling growth of <i>Melocana baccifera</i> (Roxb.) Kurtz in terai zone of West Bengal	<i>J. Bamboo and Ratan,</i>	0973 - 4449	Peer Reviewed
4	Dey, A. N. and Datta, S.	2010	Exploring the effects of light intensity on mahogany (<i>Swietenia mahagoni</i> L.) and chilli integrated farming system (<i>Capsicum annum</i> L.) in India	<i>APA News</i>		FAO Publication
5	Dey, A. N. and Datta, S.	2010	Potentialities of cultivation of medicinal plants in Agroforestry land use system for conservation and alleviate poverty level	<i>Int. J. For. Usuf. Mngt.</i>	0972 - 3927	3.34
6	Chakravarty, S; Dey, A. N. and Shukla, G...	2010	Tree borne oilseed species in agroforestry	<i>Environment & Ecology</i>	0970 - 0420	4.09
7	Chakravarty, S; Dey, A. N. and Shukla, G.	2010	Growing TBOs for wasteland development	<i>Environment & Ecology</i>	0970 - 0420	4.09
8	Datta, S. and Dey A.N.	2009	Stability analysis in chilli (<i>Capsicum annum</i> L.) under open and mahogany (<i>Swietenia mahagoni</i> L.) based agroforestry system	<i>J. Spices and Aromatic Crops</i>	0971 - 3328	2.77
9	Datta, S.; Dey A.N. and Maitra, S.	2009	Effect of FYM and GA ₃ on growth and yield of sweet flag (<i>Acorus calamus</i> L.) under terai zone of West Bengal	<i>J. Hortl. Sci</i>	0973 - 354X	Peer Reviewed
10	Dey, A. N. and Datta, S...	2009	Performance of chilli genotypes as intercrops in mahogani based agroforestry system	<i>Ind. J. Hort</i>	0972 - 8538	6.13

Sl. No.	Name of Authors	Year	Title of the Paper	Name of the Journal	ISSN No.	NAAS Rating (2014)
11	Datta, S.; Dey A.N. and Maitra, S.	2008	Effect of sowing time on growth and yield of black cumin (<i>Nigella sativa</i> L.) under terai zone of west Bengal	<i>J. Med. & Aro. Pl. Sci</i>	0253 - 7125	Peer Reviewed
12	Mohanty, T. L.; Dey, A. N. and Sindhi, S.	2007	Social Forestry vis- a - vis Joint Forest Management – A case study in Orissa	<i>Indian J. Environ. & Ecoplan</i>	0972 - 1215	Peer Reviewed
13	Dey, A. N.; Datta, S. and Maitra, S.	2007	Traditional knowledge on medicinal plants for remedy of common ailments in northern part of West Bengal	<i>Indian Forester</i>	0019 - 4816	4.27
14	Dey, A. N.; Mohanty, T. L. and Patra, S. N.	2007	Economic analysis of bamboo based agroforestry system in Eastern and South Eastern coastal plains of Orissa	<i>Ind. J. of Forestry</i>	0971 - 9431	3.39
15	Shukla, G.; Chakravarty, S. and Dey, A. N.	2007	Effect of growing media on germination and initial seedling growth of <i>Albizia procera</i> for terai zone of West Bengal	<i>Env. and Eco</i>	0970 - 0420	4.09
16	Laskar, N.; Datta, S.; Dey, A. N. and Maitra, S.	2007	Alfalfa caterpillar, <i>Colias eurytheme</i> Boisduval infestation in <i>Cassia alata</i> Linn. and <i>C. occidentalis</i> Linn., in Sub-Himalayan terai region of West Bengal	<i>J. of Appl. Zool. Res.</i>	0970 - 9304	2.63
17	Dey, A. N.; Dash, S. K. and Patra, S. N.	2006	Performance of Turmeric (<i>Curcuma longa</i> L.) in Subabul (<i>Leucaena leucocephala</i> L.) based Agroforestry System	<i>Orissa J. of Horticulture</i>	0973 - 2160	
18	Datta, S. and Dey, A. N.	2006	Medicinal values of Zingiberaceae spices	<i>I MAP TODAY</i>		
19	Datta S.; Dey A. N. and Maitra S.	2006	Importance of the Piper for rural health care	<i>Green Technology</i>	0973 - 2624	Peer Reviewed
20	Maitra, S.; Dey A. N. and Datta S.	2006	Use of ethno-medicinal plants at the villages of chilapata forest range	<i>Crop Research</i>	0970 - 4884	2.87
21	Patra S. N. and Dey A. N.	2005	Propagation of bamboo through flute technology enhances wasteland Rehabilitation	<i>Crop Research</i>	0970 - 4884	2.87
22	Panda S.; Dey A. N. and Sarangi P. K.	2000	<i>Sphenoptera arachidis</i> Lef infestation in Agathi (<i>Sesbania grandiflora</i> Pers) in Orissa	<i>J. of Applied Zoological Researchers</i>	0970 - 9304	2.63

Sl. No.	Name of Authors	Year	Title of the Paper	Name of the Journal	ISSN No.	NAAS Rating 2014)
23	Debata D. K.; Dey A. N. and Swain N. C.	2000	Leaf and twig blight disease of Neem caused by <i>Curvularia lunata</i> in nursery	<i>J. of Non-Timber Forest Products</i>	0971 - 9415	2.80
24	Dey A. N. and Debata D. K.	2000	Studies on leaf spot disease of <i>Populus deltoides</i> Marsh caused by <i>Alternaria raphani</i> .	<i>Indian Forester</i>	0019 - 4816	4.27
25	Chauhan P. S. and Dey A. N.	1999	Productivity potential of <i>Populus deltoides</i> Marsh under silvipastoral system in mid hills of H.P.	<i>Environment and Ecology</i>	0970 - 0420	4.09
26	Dash B. K.; Dey A. N. and Nayak, S.	1999	Incidences of <i>Boarmia variegata</i> Moore in neem seedlings in Orissa	<i>Pest Management Society of Orissa News Letter</i>		

II. List of Research Papers published as Proceedings of National / International Seminar:

1. **Dey A. N.;** Dash S. K.; Panwar P. and Chakravarty S. 2003. Cultivation of spices through agroforestry systems – An economically viable and ecologically sustainable approach in North- eastern plains of West Bengal. *Proc. of State level seminar on spices production, processing and marketing in West Bengal* Pp. 85 – 90.

2. **Dey A. N.;** Datta, S; Maitra, S. and Mukherjee, S. 2003. Effect of GA₃, KNO₃ and Thiouria on germination and seedling vigor in *Cassia occidentalis*. *Proc in National Seminar on New Perspectives in spices, medicinal and aromatic plants* 27 -29 Nov. 2003, Indian Institute of spice Research. Calicut, Kerala, India Pp. 219 – 221.

3. Panwar P. and **Dey A. N.** 2003. Exploring suitable agroforestry system for sustainable utilization of Terai zone of West Bengal. *Proc. in National Symposium on Agroforestry and Sustainable Production and Silver Jubilee of Agroforestry Initiative in India.* Pp.95-97.

III. Book Chapter:

1. Chakravarty Sumit; Ghosh, S. K.; Suresh C. P.; **Dey A. N.** and Shukla Gopal. 2012. Deforestation: Causes, Effects and Control Strategies **IN: Global Perspectives on**

sustainable forest management. (Eds) Clement Akais Okia: Published by InTech Janeza Trdine 9, 51000 Rijeka, Croatia.

2. Chakravarty Sumit; Shukla Gopal; Sharma, Biplab; Sharma, Bani and **Dey A. N.** 2012. Sustainable management and strategies for conservation of medicinal plants **IN: Medicinal plant cultivation in North Bengal – challenging and Emerging Issues.** (Eds) Sanjay Kumar; Sanjay Singh and Rameshwar Das: Published by Institute of Forest Productivity, ICFRE, Lalgutwa, Ranchi, India.
3. Panwar, P.; Dhiman, R. C.; **Dey, A.N.** and Chakravarty, S. 2008. Performance of eastern cotton wood in terai zone of West Bengal **IN: Exotics in Indian Forestry** (Eds) S. K. Chauhan; Gill, S. S.; Chauhan, R. and Sharma, S.C. Agrotech Publishing Academy, Udaipur, India.
4. Panwar, P.; **Dey A. N.** and Chakravarty, S. 2003. Agroforestry in North–Eastern states: Its present status and interventions for future **IN: Agroforestry in 21st Century** (Eds) S. K. Chauhan; Gill, S. S.; Chauhan, R. and Sharma, S.C. Agrotech Publishing Academy, Udaipur, India.

IV. Contribution of chapter in Training Manual/Practical Manual:

1. **Dey A. N.** 2008. Diversification and creation of employment through Agroforestry **IN: Agroforestry for livelihood security and environmental sustainability** (Eds) P. Panwar and Sumit Chakravarty, published by Department of Forestry, UBKV, Cooch Behar, India.
2. **Maitra, S. Gantait, S. S. and Dey A. N.** 2008. Performance of medicinal and aromatic plants under agroforestry systems **IN: Agroforestry for livelihood security and environmental sustainability** (Eds) P. Panwar and Sumit Chakravarty, published by Department of Forestry, UBKV, Cooch Behar, India.
3. **Dey A. N. and Panwar, P.** 2008. Krishi-baner upayogi nursery paricharjya **IN: Udyanpalaner nursery paricharjya** (Eds) S. K. Ghosh,. Published by Faculty of Horticulture, UBKV, Cooch Behar, India
4. **Dey, A. N.;** Chakravarty, S. and Panwar, P. Identification of seeds and plants of agroforestry **IN: Under graduate practical manual** (Eds) S. Chakravarty and S. Maitra, Published by Faculty of Horticulture, UBKV, Cooch Behar, India.
5. **Dey, A. N.** and Chakravarty, S. Preparation of nursery bed and method of raising of seedlings **IN: Under graduate practical manual** (Eds) S. Chakravarty and S. Maitra, Published by Faculty of Horticulture, UBKV, Cooch Behar, India.

6. **Dey A. N.** and Chakravarty, S. Preparing of soil mixture, filling bed and arranging polythene bags *IN: Under graduate practical manual* (Eds) S. Chakravarty and S. Maitra, Published by Faculty of Horticulture, UBKV, Cooch Behar, India.
7. **Dey A. N.** and Chakravarty, S. To calculate number of plants and spacing in one hectare area by different patterns of plantings in agroforestry systems *IN: Under graduate practical manual* (Eds) S. Chakravarty and S. Maitra, Published by Faculty of Horticulture, UBKV, Cooch Behar, India.

V. Contribution as Editor for publishing the Book:

1. Chakravarty, S.; Shukla, G. and **Dey, A.N.** 2012. *Tree Borne Oilseeds Species: Ecological and Economic Benefits*. Lambert Academic Publishing, Deutschland/Germany.

VI. Contribution as Editors for publishing Training Manual for Training Programme:

1. **Dey, A.N.**; Chakravarty, S. and Sharma, Bani. 2013. *Integrated Development of Tree Borne Oilseeds in Wasteland/degraded Land*. Published by Department of Forestry, UBKV, Cooch Behar, India.
2. Chakravarty, S.; **Dey, A.N.** and Shukla, G. 2009. *Tree Borne Oilseeds Species: Ecological and Economic Benefits*. Published by Department of Forestry, UBKV, Cooch Behar, India.
3. Panwar, P.; Chakravarty, S. and **Dey, A. N.** 2007. *Agroforestry – an alternative land use practice for sustainability*. Published by Department of Forestry, UBKV, Cooch Behar, India.