

Curriculum Vitae



1. Name : Dr. Amal Chandra Das
2. Date of birth : 12.02.1959
3. Designation : Professor
4. Official address : Department of Agricultural Chemistry and Soil Science
Faculty of Agriculture, Bidhan Chandra Krishi
Viswavidyalaya, Mohanpur, Nadia-741252, West Bengal
5. Residential address : Qtr No: 2C-1/3, BCKV Staff Qtrs, Mohanpur
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8. Educational qualification:

Sl. No.	Name of Exam	Year of passing	Board/ Institution	Class/Division	Remarks
1	Higher Secondary	1976	WBBSE	1 st Division	Rank: 119
2	B. Sc.(Ag) Hons	1980	BCKV	1 st Class	Rank: 5
3	M. Sc.(Ag)	1982	BCKV	1 st Class	Soil Microbiology (specialization)
4	Ph. D.	1993	BCKV	Research carried on insecticide vs microorganisms interactions in soil	

9. Academic achievements : i) Awarded **National Scholarship** in 1976 by Govt of India
ii) Awarded **National Scholarship** (for the children of school teachers) in 1976 by Govt of India
iii) Awarded **Junior Research Fellowship** in 1980 by ICAR Rank: **2** (Soil Science)
10. Service in BCKV : Joined as a Lecturer on 08.01.1990
Promoted to Reader in 1999
Promoted to Professor in 2007
11. Nature of duty : Primarily engaged in Teaching; also associated with various research and extension programmes
12. Professional training : i. On "*Blue green algae (Cyanobacteria)*" sponsored by DBT, Govt. of India at IARI, New Delhi
ii. On "*Computational statistics in agricultural sciences*" sponsored by ICAR at BCKV, Kalyani
iii. On "*Efficient composting techniques*" sponsored by

ICAR at IISS, Bhopal

iv. On "Documenting good agricultural practices" under EU-India economic cross cultural programme in Kolkata

13. Member of academic societies : i) Indian Society of Soil Science, IARI, New Delhi
ii) Association of Rice Research Workers, CRRI, Cuttack, Orissa
iii) Crop and Weed Science Society, BCKV, Mohanpur
iv) Indian Society of Agricultural Chemists, Allahabad, UP

14. Research interest : i) Pesticide/herbicide vs soil microbes interactions
ii) Microbial decomposition of organic matter
iii) Biological N₂-fixation
iv) Microbiological transformations in soil ecosystem

15. Specialization : Soil Microbiology

16. Publications (NAAS impact score > 5):

1. **Das AC**, Mukherjee D (1994). Effect of insecticides on the availability of nutrients, nitrogen fixation, and phosphate solubility in the rhizosphere soil of rice. *Biology and Fertility of Soils* (Springer, Germany), 18:37-41. [DOI:10.1007/BF00336442][NAAS Impact: 7.7]
2. Debnath A, **Das AC**, Mukherjee D (1994). Studies on the decomposition of non-conventional organic wastes in soil. *Microbiological Research* (Elsevier, Germany), 149:195-201. [DOI:10.1016/S0944-5013(11)80118-7][NAAS Impact: 7.7]
3. **Das AC**, Chakravarty A, Sukul P, Mukherjee D (1995). Insecticides: their effect on microorganisms and persistence in rice soil. *Microbiological Research* (Elsevier, Germany), 150:187-194. [DOI:10.1016/S0944-5013(11)80055-8][NAAS Impact: 7.7]
4. **Das AC**, Mukherjee D (1998). Persistence of phorate and carbofuran in relation to their effect on the mineralization of C, N, and P in alluvial soil. *Bulletin of Environmental Contamination and Toxicology* (Springer, USA), 61:709-715. [DOI:10.1007/s001289900819][NAAS Impact: 7.5]
5. **Das AC**, Mukherjee D (1998). Insecticidal effects on soil microorganisms and their biochemical processes related to soil fertility. *World Journal of Microbiology and Biotechnology* (Rapid Science, in association with UNESCO, UK), 14:903-909. [DOI:10.1023/A:1008820908917][NAAS Impact: 7.6]
6. **Das AC**, Mukherjee D (1998). Insecticidal effects on the activity and numbers of non-symbiotic N₂-fixing bacteria and phosphate solubilizing microorganisms and on some chemical properties of rice soil. *Microbiological Research* (Elsevier, Germany), 153:355-361. [DOI:10.1016/S0944-5013(99)80050-0][NAAS Impact: 7.7]
7. **Das AC**, Mukherjee D (1999). Influence of BHC and fenvalerate on mineralization and availability of some plant nutrients in soil. *Bulletin of*

Environmental Contamination and Toxicology (Springer, USA), 62:371-376. [DOI:10.1007/s 001289900884][NAAS Impact: 7.5]

8. **Das AC**, Mukherjee D (2000). Soil application of insecticides influences microorganisms and plant nutrients. *Applied Soil Ecology* (Elsevier, The Netherlands), 14:55-62. [DOI:10.1016/S0929-1393(99)00042-6][NAAS Impact: 7.7]
9. **Das AC**, Mukherjee D (2000). Influence of insecticides on microbial transformation of nitrogen and phosphorus in typic orchaqualf soil. *Journal of Agricultural and Food Chemistry* (American Chemical Society, USA), 48:3728-3732. [DOI: 10.1021/jf990811q][NAAS Impact: 7.8]
10. Debnath A, **Das AC**, Mukherjee D (2002). Persistence and effect of butachlor and basalin on the activities of phosphate solubilizing microorganisms in wetland rice soil. *Bulletin of Environmental Contamination and Toxicology* (Springer, USA), 68:766-770. [DOI:10.1007/s00128-001-0319-0][NAAS Impact: 7.5]
11. **Das AC**, Chakravarty A, Sukul P and Mukherjee D (2003). Effect of HCH and fenvalerate on growth and distribution of microorganisms in relation to persistence of the insecticides in the rhizosphere soils of wetland rice. *Bulletin of Environmental Contamination and Toxicology* (Springer, USA), 70:1059-1064. [DOI:10.1007/s00128-003-0090-5][NAAS Impact: 7.5]
12. **Das AC**, Debnath A, Mukherjee D (2003). Effect of the herbicides oxadiazon and oxyfluorfen on phosphates solubilizing microorganisms and their persistence in rice fields. *Chemosphere* (Elsevier, UK), 53:217-221. [DOI:10.1016/S0045-6535(03)00440-5][NAAS Impact: 7.9]
13. **Das AC**, Chakravarty A, Sukul P, Mukherjee D (2003). Influence and persistence of phorate and carbofuran insecticides on microorganisms in rice field. *Chemosphere* (Elsevier, UK), 53:1033-1037. [DOI:10.1016/S0045-6535(03)00713-6][NAAS Impact: 7.9]
14. **Das AC**, Saha D (2003). Influence of diazotrophic inoculations on nitrogen nutrition of rice. *Australian Journal of Soil Research* (CSIRO, Australia), 41:1543-1554. [DOI:10.1071/SR03115][NAAS Impact: 7.6]
15. **Das AC**, Chakravarty A, Sen G, Sukul P, Mukherjee D (2005). A comparative study on the dissipation and microbial metabolism of organophosphate and carbamate insecticides in orchaqualf and fluvaquent soils of West Bengal. *Chemosphere* (Elsevier, UK), 58:579-584. [DOI:10.1016/j.chemosphere.2004.07.007][NAAS Impact: 7.9]
16. **Das AC**, Saha D (2005). Non-symbiotic nitrogen-fixing bacteria influencing mineral and hydrolysable organic nitrogen in rhizosphere soils of rice (*Oryza sativa*). *The Indian Journal of Agricultural Sciences* (ICAR, New Delhi), 75:265-269. [NAAS Impact: 6.6]
17. **Das AC**, Debnath A (2006). Effect of systemic herbicides on N₂-fixing and phosphate solubilizing microorganisms in relation to availability of nitrogen and phosphorus in rice soils of West Bengal. *Chemosphere* (Elsevier, UK), 65:1082-1086. [DOI:10.1016/j.chemosphere.2006.02.063][NAAS Impact: 7.9]

18. **Das AC**, Nayek H, Nongthombam SD (2012). Effect of pendimethalin and quizalofop on N₂-fixing bacteria in relation to availability of nitrogen in a typical haplustept soil of West Bengal, India. *Environmental Monitoring and Assessment* (Springer, The Netherlands), 184:1985-1989. [DOI:10.1007/s10661-011-2093-8][NAAS Impact: 7.5]
19. **Das AC**, Nayek H, Chakravarty A (2012). Soil application of dinitroaniline and arylphenoxypropionic herbicides influences the activities of phosphate-solubilizing microorganisms in soil. *Environmental Monitoring and Assessment* (Springer, The Netherlands), 84:7453-7459. [DOI:10.1007/s10661-011-2512-x][NAAS Impact: 7.5]
20. **Das AC**, Dey S (2013). Effect of systemic herbicides on microbial biomass in relation to availability of some plant nutrients in an alluvial soil of West Bengal. *Bulletin of Environmental Contamination and Toxicology* (Springer, USA), 90:666-672 [DOI:10.1007/s00128-013-0994-7][NAAS Impact: 7.5]

17. Number of publications : 51
18. Courses teaching : Different courses related to Soil Microbiology in UG & PG levels
19. Research Projects : Associated with "AICRP on Biological Nitrogen Fixation" sponsored by ICAR, New Delhi for 15 years
20. Number of seminar/ symposium attended : 16 National
5 International
21. Acted as a peer reviewer of notable journals with high NAAS Impact score:

Soil Biology and Biochemistry (Elsevier, UK); *Chemosphere* (Elsevier, UK); *Journal of Agricultural and Food Chemistry* (American Chemical Society, USA); *Journal of Plant Nutrition and Soil Science* (John Wiley-VCH, Germany); *International Journal of Environmental Analytical Chemistry* (Taylor & Francis, UK); *Journal of Atmospheric and Solar-Terrestrial Physics* (Elsevier, The Netherlands); *Medical Science Monitor* (International Scientific Literature, New York, USA); *Applied Soil Ecology* (Elsevier, The Netherlands); *Australian Journal of Soil Research* (CSIRO Publishing, Australia); *Environmental Monitoring and Assessment* (Springer, The Netherlands); *The Indian Journal of Agricultural Sciences* (ICAR); *Journal of Environmental Chemistry and Ecotoxicology* (Academic, Egypt); *African Journal of Microbiology Research* (Academic, South Africa); *African Journal of Agricultural Research* (Academic, Greece)