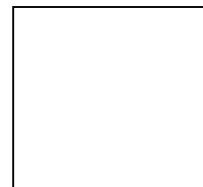


Curriculum Vitae

Name: PRADIPTA KUMAR MOHAPATRA

Designation: PROFESSOR
Subject: BOTANY

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Professional Experience:

(Starting with the most recent)

Period	Employer	Place of work	Nature of post	Designation
2010-continuing	Ravenshaw Univ Cuttack	P.G. Dept of Bot.	Univ. Service, permanent	Professor
2008- 2010	Utkal Univ Bhubaneswar	P.G. Dept of Bot.	Univ. Service, permanent	Reader
2008	F. M. Univ. Balasore	Dept. of Env.Sci.	Univ. Service Permanent	Professor
2004 - 2008	Utkal Univ Bhubaneswar	P.G. Dept of Bot.	Univ. Service, permanent	Reader
1998 - 2004	Utkal Univ Bhubaneswar	P.G. Dept of Bot.	Univ. Service, Substantive	Lecturer
1995 - 98	Govt. of Orissa	Govt. Women's College, Keonjhar	Orissa Edn Service, Permanent	Jr. Lecturer
1993 - 95	AvH Foundation	Rostock University Germany	Fellowship; Time bound	Visiting Scientist
1992 -93	Govt. of Orissa	Bhadrak College	Orissa Edn Service; Permanent	Jr. Lecturer

Education:

(Starting with Bachelors up-to the highest qualification)

Exam Passed	Board/ University	Subjects taken	Division	Year of Passing
B. Sc.	Utkal University Bhubaneswar	Chemistry, Botany (H), Zoology, English	First & Dist	1986
M. Sc.	Utkal University	Botany	First	1988
Ph. D.	Utkal University	Botany	Awarded	1991
Post Doc	Rostock University Germany	Ecotoxicology of OP insecticides		1995

Area (s) of specialization: (Five Lines)

Stress Physiology of Planktonic green algae and Cyanobacteria

Fluorescence responses of plants to insecticide stress

Ecotoxicology of insecticides

Salt stress and photosynthesis

Publications:

1. Books: (Five maximum with ISBN Number, Publication House, Year, Place)

1. **Mohapatra P. K.** and Mohanty P. K. (2004) Basic Biology: Minor Elective for Physical Science (For +3 students of universities in Orissa), Kalyani Publ. Ludhiana, pp. 545. ISBN No. 81-272-2335-2
2. **Mohapatra P. K.** (2006) Textbook of Environmental Biotechnology, IK International, New Delhi, pp. 664. ISBN No. 81-88237-54-X
3. **Mohapatra P. K.** (2008) Textbook of Environmental Microbiology, IK International Publishing House, New Delhi, pp. 534. ISBN No. 978-81-90656-67-2
4. Editor (since 2004) of the Annual magazine Sabujima published by Plant Lovers' Association, Bhubaneswar since 1991. ISSN No. 0972-8562

2. Research Papers in Peer Reviewed Journals: (Ten most significant and recent publications with ISSN Numbers)

1. **Mohapatra P. K.** and Mohanty R. C. (1992) Growth pattern changes of *Chlorella vulgaris* and *Anabaena doloilum* due to toxicity of dimethoate and endosulfan. Bull. Environ. Contam. Toxicol., 49, 576 - 581. ISSN 0007-4861, Springer.
2. **Mohapatra P. K.**, Schubert H. and Schiewer U. (1996) Short term toxicity effect of dimethoate on transthylakoid pH gradient of intact *Synechocystis* sp. PCC 6803 cells. Bull. Environ. Contam. Toxicol., 57, 722 - 728. ISSN 0007-4861, Springer.
3. **Mohapatra P. K.**, Schubert H. and Schiewer U. (1997) Effect of dimethoate on photosynthesis and pigment fluorescence of *Synechocystis* sp. PCC 6803. Ecotoxicol. Environ. Safety, 36, 231 - 237. ISSN 147-6513, Elsevier.
4. **Mohapatra P. K.**, Dash R. C., Panda S. S., Mishra R. K. and Mohanty R. C. (1998) Effects of nutrients at different salinities on growth of the freshwater green alga *Scenedesmus bijugatus* in water of Narendra Pond, Puri, Orissa. Internat. Rev. Hydrobiol., 83, 297 - 304. ISSN 1522-2632, Wiley VCH.
5. Panda S. S., **Mohapatra P. K.** and Mohanty R. C. (1998) Comparative toxicity of two organophosphorus insecticides on membrane integrity of *Chlorella vulgaris*. I. Effect on membrane permeability. Microbiol. Res., 153, 363 - 368. ISSN 0944-5013, Gustav-Fischer.
6. **Mohapatra P. K.** and Schiewer U. (1998) Effect of dimethoate and chlorfenvinphos on plasma membrane integrity of *Synechocystis* sp. PCC 6803. Ecotoxicol. Environ. Safety, 41, 269 - 274. ISSN 147-6513, Elsevier.

7. **Mohapatra P. K.** and Schiewer U. (2000) Dimethoate and quinalphos toxicity: Pattern of photosynthetic pigment degradation and recovery in *Synechocystis* sp. PCC 6803. *Algological Stud.*, 99, 74 - 94. ISSN 1864-1318, Schweizerbart.
8. **Mohapatra P.K.**, Patra S., Samantaray P.K. and Mohanty R.C. (2003) Effect of pyrethroid insecticide cypermethrin on photosynthetic pigments of the cyanobacterium *Anabaena doliolum* Bhar. *Pol. J. Environ. Stud.*, 12, 207-212.
9. **Mohapatra P. K.**, Khillar R., Hansdah B. and Mohanty R. C. (2010) Photosynthetic and fluorescence responses of *Solanum melangena* L. to field application of dimethoate. *Ecotoxicol. Environ. Safety*. 73, 78 - 83. ISSN 147-6513, Elsevier.
10. Swain S.S., Tripathy T., **Mohapatra P.K.** and Chand P.K. (2010) Photosynthetic and transpiration responses of *in vitro* regenerated *Solanum nigrum* L. plants to *ex vitro* adaptation. *In Vitro. Cell. Dev. Bio. Plant* 46: 134-141. ISSN 1054-5476, Springer.

3. Research Papers in Non-peer Reviewed Journals: (Five maximum, with ISSN Numbers)

1. **Mohapatra P. K.** (2002) Rain water management for sustainable agriculture. *Sabujima*, 10: 51-54. ISSN No. 0972-8562
2. **Mohapatra P. K.** (2003) Agricultural use of insecticides and farmers' consciousness. *Sabujima*, 11: 31-35. ISSN No. 0972-8562
3. **Mohapatra P. K.** (2005) relevance of vermiculture for improvement of soil fertility. *Sabujima*, 13: 100-104. ISSN No. 0972-8562
4. **Mohapatra P. K.** (2009) Public participation in prevention of water pollution in urban areas. *Sabujima*, 17: 14-23. ISSN No. 0972-8562
5. **Mohapatra P. K.** (2011) A green solution to treat coastal oil spills. *Sabujima*, 19: 34-40. ISSN No. 0972-8562

3. Chapters in Edited Books: (Five maximum with ISBN Numbers, Publication House, Year, Place)

1. **Mohapatra P. K.** and Mohanty R. C. (1992) Biological Ecotendencies of some water bodies of Bhubaneswar, Orissa. B. D. Sastree (Ed), *Current Trends in Limnology*, Vol 2, Narendra Publishing House, New Delhi. pp.17 - 46.
2. **Mohapatra P. K.** (1995) Influence of culture aging on the toxicity of pesticides to *Chlorella vulgaris* Beij. In. R. C. Mohanty (Ed) *Environment: Change and Management*, Kamla-Raj, New Delhi, pp. 141 - 144.
3. Mishra R. K., Bal S., **Mohapatra P. K.**, Mohanty R. C. and Upadhyay V. P. (2007) Turn over rate of forest floor litter and biodiversity aspects of Similipal Biosphere Reserve. In. Trivedi P. C. (ed) *Biodiversity for Sustainable Development*, Avishkar Publ., Jaipur, pp. 163-179 (ISBN 978-81-7910-225-1)
4. **Mohapatra P. K.** (2009) Microbes of thermophilic environments. In. Mishra B. B., Nanda D. R. and Dave S. R. (eds), *Environmental Microbiology*, APH Publ. Corp., New Delhi, pp. 207 – 226 (ISBN 978-81-313-0655-0).

Reviews in Peer Reviewed Journals: (Five recent reviews)

5. **Mohapatra P. K.** and Mohanty R. C. (1993) Interaction of agrochemicals with the cyanobacteria. Charaya K (Ed) Pesticide Pollution, Pragati Prakashan, Meerut, pp. 103 - 121.

5. Conference Presentations: International (Maximum-10); National (Maximum-10)

1. **Mohapatra P. K.** and Mohanty R. C. (2000) Pattern of degradation and recovery of photosynthetic pigments of *Synechocystis* sp. PCC 6803 due to toxicity of dimethoate and quinalphos. Proc. Nat. Symp. on Environment, Bangalore University, pp. 284 - 287.
2. **Mohapatra P. K.**, Jena K. C. and Mohanty R. C. (2000) Growth responses of two species mixed cultures of planktonic green algae to nutrient limitation in microcosms. H. K. Patra (Ed) Environment and Disaster Management, Utkal University, pp. 80 - 87.
3. **Mohapatra P. K.**, Patra Suchismita and Mohanty R. C. (2001) Response of the photosynthetic pigments of the cyanobacterium *Anabaena doliolum* Bhar. to the toxicity of cypermethrin. Proc. X Nat. Symp. on Environment, BARC, Mumbai, pp. 212 - 217.
4. **Mohapatra P.K.** (2002) Measurement of fluorescence response of algal cells to analyse the risk of insecticide contamination. In. Patra H.K. and Mohapatra P.K. (Eds), Environmental Risk Analysis and Management, PGCES, Utkal University, Bhubaneswar, pp. 29-36.
5. **Mohapatra P.K.**, and Mohanty R.C. (2002) Feasibility study of water hyacinth pond model for purification of water of Vani Vihar Lake, Bhubaneswar. Proc. XI Natl. Symp. on Environment, Udaipur, pp. 307-310.
6. Mishra R.K., **Mohapatra P.K.**, Upadhyay V.P., Bal S. and Mohanty R.C. (2003) Diversity and structural composition of trees of Buffer areas of Similipal Biosphere Reserve, Orissa. Proc. XII Natl. Symp. on Environment, New Tehri, pp. 485-492.
7. Mohapatra R.K. and **Mohapatra P.K.** (2004) Chilika ecosystem and its management planning. In. Rath S.P. and Mohapatra P.K. (Eds), Management of Coastal Ecosystem, PGCES, Utkal University, Bhubaneswar, pp. 38-44.
8. **Mohapatra P.K.** (2004) The problem of salinity in agriculture in coastal saline soil and its management. In. Rath S.P. and Mohapatra P.K. (Eds), Management of Coastal Ecosystem, PGCES, Utkal University, Bhubaneswar, pp. 45-56.
9. Mohapatra R.K., **Mohapatra P.K.** and Mohanty R.C. (2004) Phytoplankton diversity of Chilika lagoon. In. Mohanty R.C. and Chand P. K. (Eds), Role of Microbes in Agriculture, Industries and Mines. Utkal University, Bhubaneswar, pp. 190-198.
10. **Mohapatra P. K.** (2005) Use of bioinformatics in management and conservation of biodiversity. In. Rath S.P. and Mohapatra P.K. (Eds), Forest Resource Management and Conservation, PGCES, Utkal University, Bhubaneswar, pp. 87-90.
11. **Mohapatra P. K.** and Mahapatra K. (2007) Growth and nutrient removal by *Chlorella vulgaris* from influent wastewater of Vani Vihar lake, Bhubaneswar. Proc. Natl Symposium on Limnology, MPUAT, Udaipur, pp. 303-306.

12. Sahoo M., **Mohapatra P. K.** and Mohanty R. C. (2008) Role of nutrients on the toxicity of dimethoate to *Anabaena doliolum* grown in soil. In. Patra H. K. (ed) Abiotic Stress on Plants. Utkal University, Bhubaneswar, India. Pp. 107-116.
13. Mohanty A. K., Nayak N., **Mohapatra P. K.** and Mohanty R. C. (2009) Metabolic activities of the rice field microbial assemblage under insecticide stress: effect of fertilizer amendments. In. Patra H. K. (ed) Attenuation of Stress Impacts on Plants. Utkal University, Bhubaneswar, India. Pp. 72-82.
14. Poddar A., **Mohapatra P. K.** and Chand P. K. (2009) Nickel effects on seedling physiology of eggplant (*Solanum melangena* L.). In. Patra H. K. (ed) Attenuation of Stress Impacts on Plants. Utkal University, Bhubaneswar, India. Pp. 109-116.
15. Samantaray P. K. and **Mohapatra P. K.** (2009) Toxicity impact of cypermethrin on membrane integrity of *Anabaena doliolum* Bhar. In. Bastia A. K. (ed) Proc. Natl. Symp. North Orissa University, Baripada. pp. 87-92.
16. Chhotaray D., Mohanty A. K., Acharya S. and Mohapatra P. K. (2009) Ecofriendly practices for pest management in agroecosystems. In. Mohanty A. K. (ed) Proc. Natl. Seminar on Novel Approaches for Agricultural Pest management. U. N. College, Soro, pp. 14-20.
17. Mohapatra P. K., Nayak N. and Acharya S. (2009) Integrated pest management: A novel approach for sustainable agriculture. In. Mohanty A. K. (ed) Proc. Natl. Seminar on Novel Approaches for Agricultural Pest management. U. N. College, Soro, pp. 6-13.
18. Chhotaray Debasmita, Mohapatra P. K. and Mishra C. S. K. (2010) Impact of farm management on soil microbial density and metabolic activities in rice agroecosystem. In. Patra H. K. (ed) Environmental Stress Impacts on Plants. Utkal University, Bhubaneswar, India. Pp. 50-60.
19. Acharya S., Chand S., Kar M. and Mohapatra P. K. (2010) Salinity induced alterations in growth and fluorescence responses of *Rhizophora apiculata* Bl. In. Patra H. K. (ed) Environmental Stress Impacts on Plants. Utkal University, Bhubaneswar, India. Pp. 61-68.

6. Conferences/ Workshops/ Training Programs Organized: (Five major & recent ones)

- i) Organising secretary of the National Symposium on Environmental Risk Analysis and Management held in March, 2002 at Utkal University, Bhubaneswar
- ii) Organising secretary of the Seminar on Mitigation of Environmental Hazards held on March, 28, 2003, Utkal University, Bhubaneswar.
- iii) Organising secretary of the Seminar on management of Coastal Ecosystem held on March, 20, 2004, Utkal University, Bhubaneswar.
- iv) Organising secretary of the Seminar on Environmental Pollution and Ecosystem Restoration held on March, 22, 2006, Utkal University, Bhubaneswar.
- v) Organising secretary of the National Seminar on Prevention of Surface Water Pollution: Policies and Programmes held on March, 28, 2008, Utkal University, Bhubaneswar.

vi) Organising secretary of the Seminar on recent Trends in Management of Industrial Wastes held on March, 28, 2009, Utkal University, Bhubaneswar.

Research Projects, Evaluation Research, Consultancies: (Five major & recent ones)

Name of the Project	Working as	Funding agency	Period
Effect of organophosphorus insecticides on membrane integrity of <i>Chlorella vulgaris</i> under nutrient limited conditions	Project Supervisor	I.C.A.R. New Delhi	1995-1998
Change of membrane potential in response to OP insecticides in <i>Synechocystis</i> sp. PCC 6803 and <i>Anabaena doliolum</i>	AvH visiting Scientist	Alexander Von Humboldt Research Foundation, Bonn Germany	2001
Biodiversity characterization at landscape level of Eastern Ghats using remote sensing and GIS	Project Coordinator	Deptt of Biotech., Govt. of India & Deptt of Space, Govt. of India	2004 -2006

Advisory & Editorial Boards:

1. Editor, Sabujima
2. Associate Editor, Plant Science Research

Honours, Fellowships:

1. Alexander von Humboldt Fellowship
2. Fellow, National Environmentalist Association

Membership in Professional Bodies:

- i) Life member of National Academy of Sciences, India, Allahabad
- ii) Life member of Phycological Society of India
- iii) Life member of Indian Botanical Society
- iv) Life member of Orissa Botanical Society

Personal Information: