Curriculum Vita'e

Name : Prof. Pratap Kumar Padhy

Date of Birth : 25/04/1972

Position Held : Professor & HOD

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Institute of Science, VISVA-BHARATI

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Academic Records

Exam. Passed	Yr. of Passing	University	Subjects Taken	Class/ Division	% of Marks/ CGPA
Graduation	1991	OUAT, Bhubaneswar	Botany(H), Zoology Chemistry	First	77.25
M.Sc.	1993	JNU, New Delhi	Environmental Sciences	First	7.51/9.0
M.Phil	1995	JNU, New Delhi	Environmental Sciences	First	8.70/9.0
Ph.D	2000	JNU, New Delhi	Environmental Sciences	Awarded	

Service Record since beginning (at Department of Environmental Studies, Visva-Bharati):

1. Assistant Professor: 13th November, 1999 to 12th November 2011.

2. Associate Professor: 13th November 2011 – 12th November 2014

3. Professor: 13th November 2014 onwards.

Research Experiences: More than 27 years.

i) Air Pollution

- 1. Research experience on **different aspects of air pollution** (air pollution and plants, air pollution and forests, air pollution and human health etc) since 1999 to till date.
- 2. Four years research experience (1995-1999) in Ph.D work on the topic "Volatile Organic Compounds (VOC) and Air Quality: Measurement of VOC in Ambient Environment and Estimation of VOC Emission from Anthropogenic and Natural Sources".

- 3. Two years research experience in Master of Philosophy (M.Phil), on the topic "Estimation of Volatile Organic Compounds (VOCs) in the Urban Environment of Delhi".
- 4. Working experience in estimation of air pollutants such as SO₂, O₃, NO_x, VOC, PAH and chamber fumigations of the first two pollutants.

ii) Soil Pollution

1. Research experience during M.Sc. project report, entitled "Characterization of Soil on the Basis of Physico-Chemical Properties".

iii) Water Pollution

- 1. Studies on water quality of the industrial belt of the Subarnarekha River basin and its impact on living system.
- 2. Some working experience on arsenic and fluoride contamination in water, soil and plants in Birbhum, West Bengal.

iv) Instrumentation

1. Working knowledge of instruments such as Gas Chromatography (GC), YesPlus IAQ Monitor, MiniVol TAS, Handy Air Sampler, High Volume Sampler, Atomic Absorption Spectrometer (AAS), Spectrophotometer, Oxygen Electrode, High Resolution Microscopes, Refrigerated Ultra Centrifuges, pH meter, EC meter, Flame Photometer etc.

Teaching Experiences: About 21 years

- 1. Dr. Padhy teaches the following papers in different courses at Visva-Bharati (V-B): M.Sc. Environmental Science (Sem-I: Introduction to Environmental Sc., Climatology & Climate Change, Techniques in Environmental Sc., Practical-I; Sem-II: Energy & Environment, Air Pollution, Biodiversity & Conservation, Practical-II; Sem-III: Ecology, Practical-III, Project work; Sem-IV: Environmental Biotechnology, Project work); Ph.D. Coursework (Research Methodology and Techniques, Air Pollution and Health (Optional Paper)); and Undergraduate (compulsory Environmental Studies in all departments of Visva-Bharati having undergraduate programme). Dr. Padhy has post-graduate and undergraduate teaching experience since he joined V-B since 1999-tilldate. Dr. Padhy also took a number of classes in other departments, viz., Environmental Chemistry (M. Sc-II special paper) and Instrumentation (M.Sc.-I) in the Department of Chemistry; Environmental Botany (M. Sc-II special paper) in the Department of Botany; Environmental Biotechnology (M. Sc-II) and Methods & Techniques in Biotechnology (M. Sc.-I) in the Department of Biotechnology) in different departments of Visva-Bharati since November 1999 to 2006.
- 2. Acted as a <u>Visiting Lecturer</u> at the Utkal University, Bhubaneswar to teach postgraduate students of Environmental Science (2002-2004).

Administrative Experience:

- 1. HOD, Department of Environmental Studies, 16th July, 2020 till date.
- 2. HOD, Department of Environmental Studies, 1st April, 2018 to 30th September, 2018.
- 3. HOD, Department of Environmental Studies, 4th July, 2013 to 16th July, 2017.
- 4. In-Charge, Centre for Environmental Studies, 10th August, 2009 to 8th September, 2009.
- 5. In-Charge, Centre for Environmental Studies, 9th March 2007 to 22nd November, 2007.

Laboratory Worked/Working with

I have gained practical experience from the following prestigious academic institutions in India.

- 1. **Air Quality and Health Laboratory**, Department of Env. Studies, V-B.
- 2. **Air pollution and Plants Laboratory**, SES, JNU, New Delhi.
- 3. **R & D Unit**, IOC, Faridabad.
- 4. **Spectral Chemistry Lab.**, IIT, New Delhi.
- 5. Soil Pollution and Solid Waste Management Lab., SES, JNU, New Delhi.

Achievements (Awards, Honours, Scholarships, Fellowships etc.)

- 1. Awarded <u>President of India Medal</u> for General Proficiency from JNU for the year 1995-1996.
- 2. Honorary appointment to the Research Board of Advisors by the American Biographical Institute.
- 3. Qualified National Eligibility Test (NET, CSIR-UGC) in 1996.
- 4. Senior Research Fellow (SRF), UGC, July 1995 July, 1998
- 5. Post-doctoral Fellow (SRF), Imperial College, London (ODA Project) July 1998 November 1999.
- 6. Junior Research Fellow, UGC, July 1993 July 1995.
- 7. Qualified Graduate Aptitude Test in Engineering (GATE-93).
- 8. Topper in Botany (Honours) during Graduation.

Membership of the International Learned Bodies

- 1. Life Member (L17802) of the "Indian Science Congress Association", Calcutta, India
- 2. Life Member of the **Orissa Vigyan Academy**, Bhubaneswar.
- 3. Member of the "American Chemical Society (ACS)", Washington, D.C., USA during the period of 1998-1999.
- 4. Member of a Wildlife Club called "**ARANYAK**" affiliated to WWF-India, New Delhi.

Country Visited

United States of America, Thailand

Details of Ph.D. Thesis and M.Sc. Project Supervised:

- 1) No. of Scholars Awarded Ph.D. degree: Twelve.
- 2) No. of Scholars supervising: **Two**.
- 3) No. of M.Sc. Projects Supervised/Supervising: Sixty (Fifty five / Five).

Research Projects Completed/Ongoing:

- 1. Fine particulate matters in the air environment and their cancer risks in human being. **SPARC Programme, MHRD,** Government of India, New Delhi, Approved Amount Rs. 70,77,190.00. Period (March, 2019 February, 2021) (Ongoing as PI from Indian side with Prof. Soumya Niyogi, Canada).
- 2. *Physico-chemical characteraztion of River Ajay- A tributary of Ganga*. UGC MRP Rs. 12.06 lakhs (F. No. 42-437/2013 (SR) dt. 25/03/2013, Period (April 2013 March 2016). Completed (as Co-PI; Dr. U. K. Singh, DISER, Visva-Bharati PI).
- 3. Assessment of volatile organic compounds (VOCs) exposures during biomass combustion in rural homes and its impact on respiratory health. UGC MRP (10.68 lakhs). (F. No. 37-479/2009 (SR) dt. 12/01/2010, Period (February 2010 January 2013). Completed (as PI).
- 4. Role of exercise and sport in modulating cellular and immunological changes induced by air pollution. UGC MRP Rs. 5.34 lakhs (F. No. 5-148/2005 (HRP) dt. 30/03/2006, Period (July 2006 December 2009). Completed (as Co-PI; Dr. Samiran Mondal, Department of Physical Education, Visva-Bharati PI).

List of Publications:

i) Research Paper Published

- 1. Nayek, S. and **Padhy, P. K.** (2020). Personal exposure to VOCs (BTX) and women health risk assessment in rural kitchen from solid biofuel burning during cooking in West Bengal, India, *Chemosphere*, 244, 125447. IF: 5.108.
- 2. Karmakar, D. and **Padhy, P. K.** (2019). Air pollution tolerance, anticipated performance, and metal accumulation indices of plant species for greenbelt development in urban industrial area. *Chemosphere*, 237, 124522.
- 3. Karmakar, D. and **Padhy, P. K.** (2019). Metals uptake from particulate matter through foliar transfer and their impact on antioxidant enzymes activity of *S. robusta* in a tropical forest, West Bengal, India. *Archives of Environmental Contamination and Toxicology*, 76, 605-616. DOI: 10.1007/s00244-019-00599-9). IF: 2.421
- 4. Rabha, R., Ghosh, S. and **Padhy, P. K.** (2019). Effects of biomass burning on pulmonary functions in tribal women in North-Eastern India. *Women and Health*, 59,3,229-239 (published online on 1st August 2018). DOI: 10.1080/03630242.2018.1452834. IF: 1.307.
- 5. Karmakar, D., Ghosh, Tirthankar and **Padhy, P. K.** (2019). Effects of air pollution on carbon sequestration potential in two tropical forests of West Bengal, India.

- Ecological Indicators, 98, 377-388. doi.org/10.1016/j.ecolind.2018.11.014. IF: 4.391.
- 6. Kumari, Deepa, Mallick, T., **Padhy, P. K.**, Mondal, S., Karmakar, A. and Begum, N. A. (2018). The degradation of toxic organic dyes in aqueous medium in greener ways: Exploring the utility of Indian Curry Leaf plant and the nanoparticles synthesized using it. *Desalination and Water Treatment*, 129, 266-278 (October). IF: 1.383
- 7. Rabha, R., Ghosh, S. and **Padhy, P. K.** (2018). Indoor air pollution in rural northeast India: Elemental compositions, changes in haematological indices, oxidative stress and health risks, *Ecotoxicology and Environmental Safety*, 165, 393-403. IF: 4.0
- 8. Ghosh, S., Rabha, R., Chowdhury, M. and **Padhy, P. K.** (2018). Source and chemical species characterization of PM₁₀ and human health risk assessment of semi-urban, urban and industrial areas of West Bengal, India, *Chemosphere*, 207, 626-636. doi.org/10.1016/j.chemosphere.2018.05.133. IF: 4.551
- 9. Nayek, S. and **Padhy, P. K.** (2018). Approximation of personal exposure to fine particulate matters (PM_{2.5}) during cooking using solid biomass fuels in the kitchens of rural West Bengal, India. *Environmental Science and Pollution Research* (in press). DOI: 10.1007/s11356-018-1831-7.
- 10. Rabha, R., Ghosh, S. and **Padhy, P. K.** (2018). Effects of biomass burning on pulmonary functions in tribal women in North-Eastern India. *Women and Health (in press)*. DOI: 10.1080/03630242.2018.1452834.
- 11. Ghosh, S., Rabha, R., Chowdhury, M. and **Padhy, P. K.** (2017). Seasonal Trends and Correlation of Criteria Pollutants and Heavy Metals in Ambient Air of Bolpur (Semi Urban), India. *International Journal for Research in Applied Science & Engineering Technology*, 5 (8), 1490-1498.
- 12. Nayek, S. and **Padhy, P. K.** (2017). Daily personal exposure of women cooks to respirable particulate matters during cooking with solid bio-fuels in a rural community of West Bengal, India. *Aerosol and Air Quality Research*, 17, 245-252.
- 13. Karmakar, D., Malik, Nivedita and **Padhy, P. K.** (2016). Effects of Industrial Air pollution on Biochemical parameters of *Shorea robusta* and *Acacia auriculiformis, Research Journal of Recent Sciences*, 5(4), 1-5.
- 14. Manoj, K., **Padhy, P. K.** (2015). Environmental perspectives of pond ecosystems: Global issues, services and Indian scenarios. *Current World Environment*, 10, 3, 848-867.
- 15. Manoj, K., **Padhy, P. K.** (2015). Discourse and review of environmental quality of river bodies in India: An appraisal of physico-chemical and biological parameters as indicators of water quality. *Current World Environment*, 10, 2, 537-571.
- 16. Manoj, K., **Padhy, P. K.** and Chaudhury, S. (2015). Distribution pattern analysis of six trace element and development of trace element pollution index for a Peninsular river basin, Chottanagpur plateau. *Indian Journal of Environmental Protection*, 35, 8, 666-679.
- 17. Rout, T. K., Masto, R. E., **Padhy, P. K.**, Ram, L. C., George, J., and Joshi, G. (2015). Heavy metals in dusts from commercial and residential areas of Jharia coal

- mining town. *Environmental Earth Sciences*, 73, 347-359. DOI 10.1007/s12665-014-3429-9. Published online 5th July 2014.
- 18. Goswami, R., Mukherjee, S., Rana, V.S., Saha, D.R., Raman, R., **Padhy, P.K.**, Mazumder, S. (2015). Isolation and characterization of arsenic resistant bacteria from contaminated water-bodies in West Bengal, India. *Geomicrobiology Journal*, 32, 17-26.
- 19. Manoj K. and **Padhy, P. K.** (2014). Multivariate statistical techniques and water quality assessment: discourse and review on some analytical models. *International Journal of Environmental Sciences*, 5, 3, 607-626.
- 20. Manoj K. and **Padhy, P. K.** (2014). Distribution, enrichment and ecological risk assessment of six elements in bed sediments of a tropical river, Chottanagpur plateau: A spatial and temporal appraisal. *Journal of Environmental Protection*, 5, 1419-1434.
- 21. Rout, T. K., Masto, R. E., **Padhy, P. K.**, George, J., Ram, L. C. and Maity, S. (2014), Dust fall and elemental flux in a coal mining area, *Journal of Geochemical Exploration*, 144, C, 443-455. (September, 2014).
- 22. Manoj K., Bhattacharyya R. and **Padhy, P. K.** Hydrogeochemical Evaluation of Groundwater of the steel city Durgapur, West Bengal, India. *Research Journal of Chemical Sciences*, 4, 6, 1-12, June 2014.
- 23. Goswami, R., Mandal, S., Mandal, S., **Padhy**, **P. K.**, Ray, S. and Mazumder, S. (2014). Effect of temperature and arsenic on *Aeromonas hydrophila* growth, a modelling approach. *Biologia*, 69, 7, 825-833.
- 24. Rout, T. K., Masto, R. E., Ram, L. C., George, J. and **Padhy, P. K.** (2013). Assessment of human health risks from heavy metals in outdoor dust samples in a coal mining area. *Environmental Geochemistry and Health*, 35, 347–356.
- 25. Manoj, K., Ghosh, S. and **Padhy, P. K.** (2013). Characterization and classification of hydrochemistry using multivariate graphical and hydrostatistical techniques. *Research Journal of Chemical Sciences*, 3(5), 32-42, May (2013).
- 26. Manoj K., Bhattacharyya R. and **Padhy, P. K.** (2013). Forest and Wildlife Scenarios of Northern West Bengal, India: A Review. *International Research Journal of Biological Sciences*, 2(7), 70-79, July (2013).
- 27. Manoj K. and **Padhy, P. K.** (2013). Oxidative Stress and Heavy Metals: An Appraisal with Reference to Environmental Biology. *International Research Journal of Biological Sciences*, 2(10), 91-101, October (2013).
- 28. Bhattacharyya, R., Manoj, K. and **Padhy, P. K.** (2013). Index Analysis, Graphical and Multivariate Statistical Approaches for Hydrochemical Characterisation of Damodar River and its Canal System, Durgapur, West Bengal, India. *International Research Journal of Environmental Sciences*, 2, 2, 53-62.
- 29. **Padhy, P. K.** (2013). Effects of stone crushers' pollution on plant morphology and biochemistry. *The Ecoscan (An International Quarterly Journal of Environmental Science)*, Special Issue, 3, 307-313.
- 30. Manoj K., Kumar, B. and **Padhy, P. K.** (2013). Spatial assessment and characterisation of the Subarnarekha river water through index analyses approaches and chemometrics. *The Ecoscan (An International Quarterly Journal of Environmental Science)*, Special Issue, 3, 321-330.

- 31. Nayek, S., Porel, K., Hazra, D. & **Padhy, P. K.** (2013). Air pollution profile of the Santiniketan-Bolpur-Sriniketan semi-urban area. *The Ecoscan (An International Quarterly Journal of Environmental Science)*, Special Issue, 3, 315-319.
- 32. Manoj, K. and **Padhy, P. K.** (2013). Climate Change, Water Resources and Food Production: Some Highlights from India's Standpoint. *International Research Journal of Environment Sciences*, 2(1), 79-87.
- 33. Manoj, K., Kumar, B. and **Padhy, P. K.** (2012). Characterisation of Metals in Water and Sediments of Subarnarekha River along the Projects' Sites in Lower Basin, India, *Universal Journal of Environmental Research and Technology* (*UJERT*), 2, 5, October, 2012, 402-410.
- 34. Manoj, K., **Padhy, P. K.** and Chaudhury, S. (2012). Study of Heavy Metal Contamination of the River Water through Index Analysis Approach and Environmetrics, *Bulletin of Environment, Pharmacology and Life Sciences*, 1, 10, September 2012, 7-15.
- 35. Saha, D. C. & **Padhy**, **P. K.** (2012). Effect of particulate pollution on rate of transpiration in *Shorea robusta* at Lalpahari forest. *Trees Structure and Function*, 26, 4, 1215-1223.
- 36. Saha, D. C. & **Padhy**, **P. K.** (2011). Effect of air and noise pollution on species diversity and population density of forest birds at Lalpahari, West Bengal, India. *Science of the Total Environment*, 409, 24, 5328-5336 (November 15, 2011).
- 37. Saha, D. C. & **Padhy**, **P. K.** (2011). Effects of stone crushing industry on *Shorea robusta* and *Madhuca indica* foliage in Lalpahari forest. *Atmospheric Pollution Research*, 2, 463-476 (October, 2011).
- 38. Goswami, R., Ghosh, D., Saha, D. R., **Padhy, P. K.** and Mazumder, S. (2011). Effect of acute and chronic arsenic exposure on growth, structure and virulence of *Aeromonas hydrophila* isolated from fish. *Microbial Pathogenesis*, 50, 63-69 (February, 2011).
- 39. Padhi, B. K., **Padhy, P. K.,** Sahu, L., Jain V.K. and Ghosh R. (2010). Assessment of intra-urban variability in indoor air quality and its impact on children's health. *Air Ouality, Atmosphere and Health*, 3, 3, 149-158.
- 40. Padhi, B. K., Rath, J. and **Padhy, P. K.** (2010). Diatoms for assessing the ecological condition of inland freshwater bodies. *World Review of Science, Technology and Sustainable Development*, 7, 4, 352-359.
- 41. **Padhy, P. K.** and Padhi, B. K. (2009). Effects of biomass combustion smoke on hematological and antioxidant profile among children (8-13 years) in India. *Inhalation Toxicology*, 21, 8, 705-711.
- 42. Padhi, B. K., and **Padhy, P. K.** (2008). Domestic Fuels, Indoor Air Pollution and Children's Health: The Case of Rural India. <u>In Environmental Challenges in Pacific Basin, Annals of New York Academy of Science</u>, 1140: 209–217.
- 43. **Padhy, P. K.** and Padhi, B. K. (2008). Assessment of noise quality in Bolpur-Santiniketan Areas (India), *Journal of Environmental Research and Development*, 3, 1, 301-306.
- 44. Padhi, B. K. and **Padhy**, **P. K.** (2008). Assessment of intra-urban variability in outdoor air quality and its health risks. *Inhalation Toxicology*, 20, 11, 973-979.

- 45. Maity, S., **Padhy, P. K.** and Chaudhury, S. (2008). The role of earthworm *Lampito mauritii* (Kinberg) in amending lead and zinc treated soil, *Bioresource Technology*, 99, 7291-7298.
- 46. Padhi, B. K. and **Padhy**, **P. K.** (2008). Status of non-timber forest products (NTFPs) in Ballavpur Wildlife Sanctuary, West Bengal, India: Does it contribute to sustainable livelihood? *Science and Culture*, 74, 7/8, 287-290.
- 47. **Padhy, P. K.** and Varshney, C. K. (2005). Isoprene emission from tropical tree species, *Environmental Pollution*, 135, 1, 101-109.
- 48. **Padhy, P. K.** and Varshney, C. K. (2005). Emission of Volatile Organic Compounds (VOC) from Tropical Plant Species in India, *Chemosphere*, 59, 11, 1643-1653.
- 49. **Padhy, P. K.** and Varshney, C. K. (2000). Total Non-methane volatile organic compounds (TNMVOC) in the environment of Delhi. *Atmospheric Environment*, 34, 577-584.
- 50. **Padhy, P. K.** and Varshney, C. K. (2000). Ambient methane levels in Delhi. *Chemosphere-Global Change Science*, 2, 2, 185-190.
- 51. Varshney, C. K. and **Padhy, P. K.** (1999). Emission of total volatile organic compounds (TVOC) from anthropogenic sources in India. *Journal of Industrial Ecology*, 2, 4, 93-105.
- 52. Varshney, C. K. and **Padhy, P. K.** (1998). Total Volatile Organic Compounds (TVOC) in the Urban Environment of Delhi, *Journal of the Air and Waste Management Association*, 48, 174-179.

ii. Chapters in the Book/Papers in Proceedings:

- 1. **Padhy, P. K.**, Patra, P. K. and Singh, U. K. (eds.) (2017). Emerging Issues in Environmental Science: Concerns and Management, New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 234.
- 2. Rout, T. K., **Padhy, P. K.** and Masto, R. E. (2017). Human Exposure Risks of Potentially Toxic Elements in the Dust: A Comparison Between Residential and Commercial Sites of a Coal Mining Town. <u>In</u>: Emerging Issues in Environmental Science: Concerns and Management. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.), New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 91-112.
- 3. Goswami, R., **Padhy, P. K.** and Mazumder, S. (2017). Bacterial Arsenic Resistance Mechanisms: New Insights. <u>In</u>: Emerging Issues in Environmental Science: Concerns and Management. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.), New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 187-193.
- 4. Manoj, K. and **Padhy, P. K.** (2017). Canal-Top Solar Power Plants in Gujarat (India): An Innovative Way to Harness Renewable Energy. <u>In</u>: Emerging Issues in Environmental Science: Concerns and Management. Padhy, P. K., Patra, P. K. and Singh, U. K. (eds.), New Delhi Publishers, New Delhi (ISBN: 978-93-85503-77-1), pp. 211-219.
- 5. Ghosh, S., Majee, C. K. and **Padhy, P. K.** (2017). Respiratory health assessment using spirometry: A study of school going children of Bolpur and Durgapur, <u>In:</u> Human Development and Sustainability: Challenges and Strategies. Sarkar, A. K. & Ghosh, P. K. (eds.), Atlantic Publishers and Distributors Pvt. Ltd, New Delhi

- (ISBN: 978-81-269-2307-6), pp. 192-200.
- 6. Rabha, R., Karmakar, D., Ghosh, S., Nayek, S. and **Padhy, P. K.** (2016). Effects of wood use on lung functions of women in Assam, India. <u>In</u> Green Energy and Sustainable Environment. Chaudhury, S., Hazra, A. K. and Balachandran, S. (eds.), Akshar Prakashni, Bolpur (ISBN: 978-81-922916-6-6), pp. 231-236.
- 7. Nayek, S., Ghosh, S., Karmakar, D., Rabha, R. and **Padhy, P. K.** (2016). Deterioration of women's health due to cooking using traditional solid bio-energy. <u>In</u> Green Energy and Sustainable Environment. Chaudhury, S., Hazra, A. K. and Balachandran, S. (eds.), Akshar Prakashni, Bolpur (ISBN: 978-81-922916-6-6), pp. 253-261.
- 8. Kumar, B., Singh, U. K. and **Padhy, P. K.** (2014). Water quality assessment of Ajay River with reference to suitability for agricultural purpose. <u>In</u> Environica, Volume 1, Dec. 2014 (Proceeding volume of International Conference on Mother Earth: Save it to achieve sustainable Future for all, 10-12 December 2014, ISBN: 978-93-84106-14-0), pg. 121-127, published jointly by Department of Environmental Science, The University of Burdwan and Levant Books, Kolkata.
- 9. **Padhy, P. K.** (2014). Effects of climate change on water resources, fisheries and aquaculture. In the *Proceedings of National Seminar on Global Climatic Change, Sea level Rise, Costal Pollution and it's Effect on Capture & Culture Fishery and Sustainable Marine Fisheries Resources Management", sponsored by Ministry of Earth Sciences, Government of India at Seminar Hall of Department of Zoology, Utkal University, Bhubaneswar, Odisha. Organized by Aabahana, Nachuni, Khurda, during 9-10th March, 2014, pp. 14-22.*
- 10. **Padhy, P. K.**, Patra, P. K., Balachandran, S. & Chaudhury, S. (Eds.) (2011). *Proceedings of the Regional Workshop on Environmental Engineering (RWEE-2008)*. Organised by CES, Visva-Bharati.
- 11. Bhattacharjee, R., Rath, J. and **Padhy, P. K.** (2011). Algal distribution and diversity in three ponds of Santiniketan. <u>In</u> *Proceedings of the Regional Workshop on Environmental Engineering (RWEE-2008)*. Padhy, P. K., Patra, P. K., Balachandran, S. & Chaudhury, S. (Eds.). Organised by CES, Visva-Bharati, pp 139-145.
- 12. Sahu, L., Padhi, B. K. and **Padhy, P. K.** (2011). A review on rainwater quality in India. <u>In Proceedings of the Regional Workshop on Environmental Engineering (RWEE-2008)</u>. Padhy, P. K., Patra, P. K., Balachandran, S. & Chaudhury, S. (Eds.). Organised by CES, Visva-Bharati, pp 68-79.
- 13. Rout T. K., Masto R. E., Ram, L. C., George, J. and **Padhy, P. K.** (2011) Characterizations of dust fall in Jharia and associated epidemiological health survey. <u>In Advances in Mine Production and Safety</u>. Pandey, J.K. (Ed.). The Institution of Engineers (India), Dhanbad Local Centre, Central Institute of Mining and Fuel Research, Dhanbad, 26-27th August 2011, pp 279-286.
- 14. **Padhy, P. K.** (2011). Coastline Erosion and Biodiversity of Chilika Lake. <u>In</u> the *Proceedings of National Seminar on Coastal Line Erosion & Irregularity in Monsoon Rain in Odisha & its Effect on Biodiversity, Capture Fishery & Agriculture Productivity*. Organized by Aabahana, Nachuni, Khurda, during 25-26th April, 2011, pp. 12-15.
- 15. Balachandran, S., Patra, P. K., Padhy, P. K., Chaudhury, S., Singh, U. K., Mandal,

- P. (Eds.) (2010). *Proceedings of International Conference on Global Climate Change*, 19-21st February 2010. Balachandran, S., Patra, P. K., Padhy, P. K., Chaudhury, S., Singh, U. K., Mandal, P. (Eds.), Jointly organized by CES & ISERC, Visva-Bharati.
- 16. Sahu, L. and **Padhy, P. K.** (2010). Acidic precipitation and climate change. <u>In</u> *Proceedings of International Conference on Global Climate Change*, 19-21st February 2010. Balachandran, S., Patra, P. K., Padhy, P. K., Chaudhury, S., Singh, U. K., Mandal, P. (Eds.). Jointly organized by CES & ISERC, Visva-Bharati, pp 137-145.
- 17. **Padhy, P. K.** (2009). Role of microbes in the abatement of air pollution. <u>In</u> *Environmental Microbiology,* Mishra, B. B., Nanda, D. R. and Dave, S. R. (Eds.), APH Publishing Corporation, New Delhi, pp. 193-204.
- 18. Padhi, B. K., Ghosh, R. and **Padhy, P. K.** (2009). Household energy, indoor air pollution and Health: A case study in rural areas of West Bengal, India. In the *Proceedings of International Conference on Energy and Environment* (EnviroEnergy 2009), pp 107-110.
- 19. **Padhy, P. K.** (2009). Global warming and change in shoreline in coastal Orissa and its effect on Irrawaddy dolphin of Chilika Lake. <u>In</u> the *Proceedings of National Seminar on Effect of Global Warming and Rapid Change in Oceanic line at Coastal Orissa and its Effect on Irrawaddy dolphin of Lake Chilika*. Harichandana, N. (Ed.). Aabahana, Nachuni, Khurda, pp. 4-9.
- 20. Padhi, B. K., Rout T.K. and **Padhy, P. K.** (2007). Comparison of Indoor and Outdoor Air Quality at Road Side Households of Sub-Urban Areas in India. <u>In</u> *Proceedings of the Ecotoxicology and Environmental Science*, Volume-II, Kolkata, India.
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