

FACULTY PROFILE

Name- Deepak Kumar Patra

Designation: Lecturer

Qualification: M.Sc, Ph.D (Thesis Submitted)

Department: Botany

Phone No. : +91-9438700662

E-mail ID: deepakpatranayapali@gmail.com



Educational Qualification

- Ph D in Botany from Utkal University, Bhubaneswar.
- M.Sc. (2006) with specialization in Biochemistry and Molecular Biology from Utkal University, Bhubaneswar.
- B.Sc with Botany as honours (2004) from Fakir Mohan University.

Professional experience:

- Research experience: 6 Years
- Teaching experience: 3 years

Research Domain

- Environmental Stress Physiology

Teaching Domain

- Biochemistry & Molecular Biology

Previous Posting

- Marshaghai College, Kendrapara

Life Member

- Odisha Botanical Society (OBS)

Research Paper Published: International and National

- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2018). An *in situ* study of growth of Lemongrass: *Cymbopogon flexuosus* (Nees ex Steud.) W. Watson on varying concentration of Chromium (Cr^{+6}) on soil and its bioaccumulation: Perspectives on phytoremediation potential and phytostabilisation of chromium toxicity. **Chemosphere**. 193: 793-799.(IF- 5.108)
- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2018). Chelate based Phytoremediation study for attenuation of Chromium toxicity stress using Lemongrass:

Cymbopogonflexuosus(Nees ex Steud.) W. Watson. **International Journal of Phytoremediation**. 20: 1324-1329. (IF- 1.886)

- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2018). Chromium stress impact on Lemongrass grown in Over Burden Soil of Sukinda Chromite Ore Mine (Odisha), India. *Annals of Plant Sciences* 7: 2394-2397.
- **Patra, D. K.**, Pradhan, C., Patra, H. K.(2019). Chromium bioaccumulation, oxidative stress metabolism and oil content in lemon grass *Cymbopogonflexuosus* (Nees ex Steud.) W. Watson grown in chromium rich over burden soil of Sukinda chromite mine, India. **Chemosphere**. 218, 1082-1088.(IF- 5.108)

Conference Presentation

- **Patra, D.K.** (2011). National Seminar on Biotechnology and Stress Management. 16th March. P.G. Department of Botany, Utkal University. Participation
- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2017). National Seminar on Science and Tecnology for Environmental Security. 19th Odisha Bigyan OParibesh Congress, November 25-26th, Orissa Environmental Society, Bhubaneswar.
Presentation- Poster
- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2017). National Seminar on Reaching the Unreached through Science and Tecnology. Indian Science Congress Association, 17th-18th December held at Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar.
Presentation- Poster
- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2018). National Seminar on Biotechnological Interventions for Environmental Stress Management in Plants and Microbes, 42nd Annual Conference on Orissa Botanical Society, 20th and 21th January, Post Graduate Department of Botany, Utkal University, Bhubaneswar.
Presentation- Poster
- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2018). National seminar on science for society. 20thOdisha Bigyan OParibesh Congress, November 17-18. Organised by Orissa Environmental Society, Bhubaneswar and National Institute of Science Education and Research, Bhubaneswar.
Presentation- Oral
- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2018).National Seminar on Plants for Sustainable Development and Clean Environment, 23rd- 24th December held at Department of Botany, Centurion University of Technology and Management, Bhubaneswar.

Presentation- Oral

- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2019). International seminar on Biodiversity and Sustainable Development: Strategies for Future, 29th-30th January held at Narasingha Choudhury Autonomous College, Jajpur Odisha.

Presentation- Oral

- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2019). National Seminar on Future India: Science &Tecnology. Indian Science Congress Association, 1st – 2nd February held at Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar.

Presentation- Poster

- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2019).National Seminar on Recent Advances in Plant Sciences: Strategies and Applications, 23rd February held at Department of Botany and Biotechnology, Ravenshaw University, Cuttack.

Presentation- Poster

- **Patra, D. K.**, Pradhan, C., Patra, H. K. (2019). National Seminar on Green Technology for Clean Environment, 20th May held at ITER, Bhubaneswar.

Presentation- Oral

Books/ Chapters

- ✓ Pradhan, S.C., **Patra, D.K.**, Sharma, J.P. Fundamentals of Biology. Class- XI, Laxmi Publications (P) Ltd, ISBN: 978-93-5274-149-6.
- ✓ Pradhan, S.C., **Patra, D.K.**, Sharma, J.P. Fundamentals of Biology. Class- XII, Laxmi Publications (P) Ltd, ISBN:978-93-5274-295-0.