

DURGA PRASAD BARIK

Lecturer in Botany

Department of Botany

Ravenshaw University,

Cuttack-753 003, Orissa, India

Tel. (off.): +91-671-2513268

Cell: +91-9437160129 & 9853316200

E-mail: barikdp@yahoo.com, barikdp@gmail.com



PERSONAL INFORMATION:

Father's Name : Mr. Natabar Barik
Date of Birth : 5th July, 1975
Category : General (S.E.B.C)
Sex : Male
Marital Status : Married
Nationality : Indian
Religion : Hindu

PRESENT ADDRESS

Plot # 1658,
Road # 8, Unit # 9,
P.O - Bohi Nagar,
Bhubaneswar-751 022
Dist -Kurdha, ORISSA.
INDIA

PERMANENT ADDRESS

At/Po- Pahanga,
Via- Niali,
Dist- Cuttack
Pin - 754004
State- ORISSA
INDIA

OBJECTIVE: To explore my knowledge and skill in Teaching and Research & Development (R & D) involving plant biotechnology especially in Plant tissue culture, Transgenic plant production, Phytochemistry and Herbal Drugs.

SUBJECT AREA OF EXPERTISE: (1) Plant Cell, Tissue and Organ Culture (2) *Agrobacterium*-mediated genetic transformation (3) Multi-elemental analysis by EDXRF techniques (4) Molecular analysis i.e. RAPD, AFLP, SSR, ISSR etc.(5) Analysis of bio-active molecules by TLC, HPLC & HPTLC

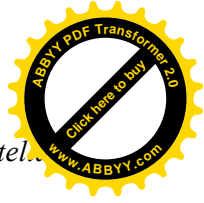
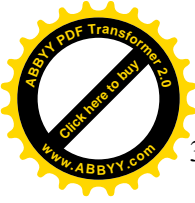
EDUCATIONAL QUALIFICATION:

- ❖ **Ph.D. in Botany**-2004, Sub-Biotechnology, Utkal University, Vani vihar, Bhubaneswar, Orissa, India
Thesis entitled: "Studies on plant regeneration from *in vitro* cultures and *Agrobacterium*- mediated genetic transformation of grasspea (*Lathyrus sativus* L.)"
- ❖ **M.Sc. in Botany**-1997, Subject-Botany (Sp. P. -Cytogenetics), First division (69.40%), Utkal University
- ❖ **+3 Science**-1995, Sub-Chemistry, Botany (Hon.) & Zoology, First class with Distinction (65.30%), Utkal University
- ❖ **+2 Science**-1992, Sub-Phy., Chem., Math., Biol., First division (68.30%), CHSE, Bhubaneswar
- ❖ **10th Std.** -1990, Sub- Oriya, English, Sank., Math., Sco-Sci, G. Sci., Opt-math, First division (83.0%), BSE, Cuttack, Orissa

PAPERS PUBLISHED IN LAST FIVE YEARS:

A. RESEARCH PAPERS

1. S. S. Swain, L. Sahu, **D. P. Barik** and P. K. Chand (2010). *Agrobacterium* x Plant Factors Influencing Transformation of 'Joseph's coat' (*Amaranthus tricolor* L.). **Scientia Horticulturae**, 125: 461-468.
2. S. Bal, **D. P. Barik**, N. K. Dhal, N. C. Rout and A. K. Sethy (2009). Observations on Folklore Plants



Among the Tribes of Deogarh District, Orissa, India. **Hamdard Medicus**, 52 (3)

3. H. Mohapatra, **D. P. Barik** & S. P. Rath (2008). *In vitro* regeneration of medicinal plant *Centella asiatica*. **Biologia Plantarum**, 52 (2): 339-342.
4. **D.P. Barik**, L. Acharya, A. K. Mukherjee & P. K. Chand (2007) Analysis of genetic diversity among the selected grasspea (*Lathyrus sativus* L.) genotypes using RAPD markers. **Zeitschrift fur Naturforschung**, Vol. 62c: 869-874.
5. **D. P. Barik**, S. K. Naik, A. Mudgal & P. K. Chand (2007). Rapid plant regeneration through *in vitro* axillary shoot proliferation of butterfly pea (*Clitoria ternatea* L.) – a twinning legume. **In vitro Cellular and Dev. Biology-Plant**, Vol. 43: 144-148.
6. **D. P. Barik**, U. Mohapatra and P. K. Chand (2006). Direct shoot regeneration from epicotyl explants of grasspea (*Lathyrus sativus* L.). **Australian J. of Botany**, Vol. 54: 505-508.
7. **D. P. Barik**, U. Mohapatra and P. K. Chand (2005). Transgenic grasspea (*Lathyrus sativus* L.): Factors influencing *Agrobacterium*-mediated transformation and regeneration. **Plant Cell Reports**, Vol. 24: 523 - 531.
8. **D. P. Barik** and U.C. Kar (2005). Callus mediated shoot organogenesis from stem explant of grasspea (*Lathyrus sativus* L.). **The Indian Journal of Genetics and Plant Breeding**, Vol. 65 (4): 321-322.
9. **D. P. Barik**, U. Mohapatra and P. K. Chand (2005). High frequency *in vitro* regeneration of *Lathyrus sativus* L. **Biologia Plantarum**, Vol. 49 (4): 637-639.

Proceedings

10. H. Mohapatra, **D. P. Barik** & S. P. Rath (2008). Chapter-30: An attempt to conserve *Centella asiatica* (L.): A highly essential medicinal plant through *in vitro* nodal segment culture. Proceeding: “Wildlife Biodiversity Conservation”, Editor: Mallapureddi Vikram Reddy, Publisher: Daya Publishing House, New Delhi, **INDIA**. PP. 300-304.

Communicated

11. P. R. Behera, P. Nayak, **D. P. Barik**, T. R. Routray, M. T. Arashu and P. K. Chand (25-10-2009). ED-XRF spectrometric analysis of comparative elemental composition of *in vivo* and *in vitro* roots of *Andrographis paniculata* (Burm.f.) Wall. ex Nees - a multi-medicinal herb. **Applied Radiation and Isotopes on 25-10-2009**.
12. S. S. Swain, **D. P. Barik**, L. Sahu, and P. K. Chand. *Agrobacterium* x plant factors influencing transformation of Butterfly Pea (*Clitoria ternatea* L.) & trace element analysis of hairy root cultures. **Australian J. of Botany** on 27-12-2009.
13. J. R. Rout, **D. P. Barik**, S. L. Sahoo and R. R. Das. An attempt to conserve *Withania somnifera* (L.) Dunal - A highly essential medicinal plant, through *in vitro* callus culture. Pakistan J. of Botany on 19-01-2010

B. BOOK CHAPTER : *Agrobacterium*: a natural genetic engineer of plant.

C. REVIEW ARTICLES : Under Preparation_ **Biotechnology of grasspea (*Lathyrus sativus* L.)** : A review

D. POPULAR ARTICLES : 1) Somatic Embryogenesis (1996). **Parijatak**, Department of Botany, Utkal University, Bhubaneswar, Orissa. Vol. 27: 16-19

2) *Agrobacterium*-mediated transformation of grasspea (*Lathyrus sativus* L.), 2010. Grain legume magazine. (GLM) is being prepared by the European Grain Legume Association (AEP), Spain. Vol 54 : 14