

Dr. Sunil Kumar Senapati

Assist. Professor (ad-hoc.)

Email: sunil_k_senapati@yahoo.com,
sunilsenapati2010@gmail.com**Research Area of Interest**

1. Conservation of rare/endangered plants through *in vitro* propagation methods and their sustainable development.
2. Crop improvement through different tools of Modern Biotechnology like *In vitro* mutagenesis and Transgenic approach
3. Biosynthesis of nanoparticles and their use in plant development

Educational Qualifications

2004 – 2010 PhD in Botany, Utkal University, Bhubaneswar.

2001 - 2003 Master of Science in Botany, Utkal University, Orissa

1997 - 2000 Bachelor of Science, Utkal University with 1st division.1995 - 1997 Higher Secondary Education, CHSE, Orissa with 1st division.1995 - High School Certificate Examination, BSE, Orissa, with 1st division**Research Experience (6 years)**

- 2005 to 2009 at Regional Plant Resource Centre worked as Junior Research Fellow and Senior Research Fellow in Biotechnology Division.
- 2009 to 2010 actively involved in the research going on at MITS School of Biotechnology, Bhubaneswar, and also guided students in their project dissertations.
- 2010 to 2011 worked as Research scientist at IIT Guwahati in a DBT supported project entitled “Fundamental research in Biotechnology”.

Teaching Experience (3 years)

18th July 2013 to till date: Assist. Professor at Guru Ghasidas University, Bilaspur, India. Teaching in the subject of Plant Biotechnology at both Under Graduate and Post Graduate level.

1st August 2012 to 30th December: Assist. Professor at Guru Ghasidas University, Bilaspur, India. Teaching in the subject of Plant Biotechnology at both Under Graduate and Post Graduate level.

11th July 2011 to 30th May 2012: Assist. Professor at Guru Ghasidas University, Bilaspur, India. Teaching in the subject of Plant Biotechnology and Biochemistry at both Under Graduate and Post Graduate level.

1st July 2009 – 28th November 2010: Faculty at MITS School of Biotechnology, Infocity, Patia, Bhubaneswar, India. Teaching in the subject of Plant Biotechnology and Biochemistry at both Under Graduate and Post Graduate level

Awards/Honors

1. GATE (Graduate Aptitude Test of Engineering), India
2. Junior Research Fellowship, NMPB, New Delhi, India
3. Senior Research Fellowship, ICAR, New Delhi, India.

Conferences/Seminars attended

1. “Training in Molecular Biology Techniques” at Institute of Life Sciences (ILS), Bhubaneswar from 14th to 18th March 2005.
2. National seminar on “Role of Biotechnology in Medicinal Plants”, Organised by BJB autonomous College, Bhubaneswar, 28-29th July 2007 (presented a paper).
3. Workshop on “Conservation Assessment and Management Prioritisation (CAMP) for medicinal plants of Orissa, Organised by the Regional Plant Resource Centre (RPRC), Bhubaneswar, Orissa State Vanaspati Vana Society (OSVVS), Cuttack and Foundation for Revitalisation of Local Health Tradition (FRLHT), Bangalore, 7-10th October, 2007.
4. Winter School in “Transgenic development in crops” organised by NRCPB at IARI, New Delhi from 1st to 10th December, 2009.

5. National Conference on Plant Diversity Prospects and Problems of Conservation and presented a paper, organised by Kristu Jayanti College, Department of Life Sciences Bangalore from 27th to 29th October, 2010 (presented a paper).

List of selected research publications

1. **Senapati, S.K.**, Aparajita, S. and Rout, G. R. (2013) Micropropagation and assessment of genetic stability in *Celastrus paniculatus*: An endangered medicinal plant. **Biologia** **68/4**: 627—632.
2. **Senapati, S.K.**, Das, G.K., Aparajita, S. and Rout, G. R. (2012) Assessment of genetic variability in the Asoka Tree of India. **Biodiversity**, **1**:1-8.
3. **Senapati, S.K.**, Rout, G. R. and Aparajita, S. (2011) Identification of Species-Diagnostic ISSR Markers for Ten *Phyllanthus* Species” **Z. Naturforsch**, **66 c**, 167 – 172.
4. **Senapati, S.K. and Rout, G.R** (2011) In vitro mutagenesis in *Rosa hybrida* using oryzalin as mutagen and screening of mutants by RAPD marker. **African journal of Biotechnology**, **10(30)**, 5705-5712.
5. Rout, G.R., **Senapati, S. K.** and Aparajita, S. (2010) Identification and Phylogenetic analysis of *Ipomoea* Species collected from Eastern India using Inter Simple Sequence Repeat Markers. **International Journal of Pharma and Bio Sciences**. **4**, 1-13.
6. Rout, G.R., **Senapati, S. K.** and Aparajita, S. (2010) Study of Relationships among Twelve *Phyllanthus* Species with the Use of Molecular Markers. **Czech J. Genet. Plant Breed.**, **46**, (3): 135–141.
7. Rout, G.R. **Senapati, S.K.** Aparajita, S. and Palai S.K (2009) Studies on genetic identification and genetic fidelity of cultivated banana using ISSR markers. **Plant Omics Journal** **2(6)**:250-258.
8. **Senapati, S. K.**, Mohapatra, A. and Rout, G.R (2008) *In vitro* mutation in *Rosa hybrida* “Pusa Gaurav” and selection through RAPD and ISSR Markers. **Floriculture and Ornamental Biotechnology**. **2 (2)**:55 – 59.
9. **Senapati, S. K.** and Rout, G. R. (2008) Mutagenesis of rose: early selection of through molecular markers. **Indian Journal of Horticulture**. **65 (4)**:452 – 460.
10. **Senapati, S. K.** and Rout, G. R. (2008) *In vitro* mutagenesis of rose with ethyl methane sulphonate (EMS) and early selection using RAPD markers. **Adv.in Horticultural Science**, **22(3)**:218 – 222.
11. **Senapati, S. K.** and Rout, G.R. (2008) Study of culture conditions for improved micropropagation of hybrid rose, **Hort. Sci.**, **35(1)**: 27 – 34.
12. Rout, G.R., Mahato, A and **Senapati, S. K** (2008) *In vitro* clonal propagation of *Nyctanthes arbo-tristi*. **Biologia plantarum**, (3): 521 – 524.
13. Rout, G. R., **Senapati, S. K** and Panda, J.J. (2008) “*In Vitro* selection and Biochemical characterisation of salt tolerant plants of *Nicotiana tabacum* L”. **Acata Biologica Hungarica** **59(1)**: 77-92.
14. Francis, S.V., **Senapati, S. K** and Rout, G.R (2007) “Rapid clonal propagation of *Curculigo orchioides* Gaertn., an endangered medicinal plant”. **In Vitro Cell. Dev.Bio.-Plant** **43**: 140-143.
15. Rout, G.R., Kullu, J. **Senapati, S. K.**, Aparajita, S. and Mohapatra (2007) Identification and Genetic relationship among *Polyscias* and *Schefflera* (Araliaceae) using RAPD and ISSR markers”. **Plant Biotechnology**, **24**: 519 – 525.
16. Barik, S., **Senapati, S. K.**, Aparajita, S., Mohapatra, A and Rout, G. R (2006). Identification and Genetic Variation among *Hibiscus* species (Malavaceae) Using RAPD markers. **Z. Naturforsch**, **61c**: 123 - 128.

Books/Book Chapters

1. **Senapati S.K.** (2011) In vitro mutagenesis in Rose, ISBN 978-3-8465-3864, Lambert Academic Publishing (LAP), Germany (Book)

2. **Senapati, S. K**, Mohapatra, A. and Rout, G.R (2010) Improvement of Rose through in vitro mutagenesis and its molecular characterization. ed: Dutta S.K and Chakraborti D. Floriculture: Role of tissue culture and molecular techniques. Pointer Publication, 75-89. (Book chapter)
3. **Senapati, S. K**, Mohapatra, A. and Rout, G.R (2008) *In vitro* mutation in *Rosa hybrida* “Pusa Gaurav” and selection through RAPD and ISSR Markers. Floriculture and Ornamental Biotechnology. Global Science Book 2 (2):55 – 59 (Book chapter).

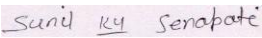
Personal Details

- Date of Birth: 13th March, 1980
- Marital Status: Married
- Sex: Male
- Languages Known: English, Hindi and Oriya
- Nationality: Indian
- Contact number: 08827515130, 09437138947

Declaration

I do hereby declare that all the statement made in this Curriculum Vita is true and correct to the best of my knowledge & belief and could provide documentary proof whenever required.

Date: 23.09.2013


(Sunil Kumar Senapati)