

## **CURRICULUM VITAE**

1. Name : **DR. MANAS RANJAN SATPATHY**
2. Designation: Assistant Professor (Stage-III)
3. Department: Botany
4. Mobile No./email id: 9437479045/manasnayagarh@yahoo.com
5. Educational Qualification: M.Sc.(Utkal), M.Phil.(D.U.), Ph.D.(Utkal), LL.B.(Utkal)

Ph.D. (Botany-Plant pathology)	Utkal University, Bhubaneswar	2013
M.Phil. (Botany-Plant Tissue Culture)	University of Delhi, Delhi	1993
M.Sc. (Botany- Cytogenetics Spl.)	Utkal University, Bhubaneswar	1991
+3 Sci. (Botany Honours)	Utkal University, Bhubaneswar	1989
NET	A.S.R.B.	1996

### 6. Research Experience:

- a. Worked as a Project Fellow in the Indo-Japanese Project on “ New Sexual Approaches to Gene Transfer Through Wide Crosses in *Vigna sinensis*” at Department of Botany, University of Delhi with Professor Sant S. Bhojwani (1994-1997).
- b. Worked on Anther and Microspore Culture of *Brassica juncea* during the period of M.Phil under Professor Sant S. Bhojwani, Department of Botany, University of Delhi (1991-1993).
- c. Worked on *Colletotrichum lindemuthianum*, a fungal causative of anthracnose disease on *Vigna unguiculata* to assess its disease potential and control *in vitro* and *in vivo* during the Ph.D. work (2009-2013).

### 7. Research Publications in Journals/Books:

- (i) Bhojwani, S.S., Agarwal, P.K. and **Satpathy, M.R.** (1996). Androgenesis in Anther and Pollen Culture of *Brassicac*: A Review. In: *Plant Tissue Culture*, A.S. Islam (Ed), Oxford & IBH Publ. New Delhi, 169-202. **ISBN: 81204104599788120410459**

- (ii) **Satpathy,M.R.**, Beura, S.K. and Mohanty,R.C.(2012). Effect of Nutrition on *Colletotrichum lindemuthianum*, the incitant of cowpea anthracnose. *J. Plant Prot. and Env.*,9(1):60-62. **ISSN: 0973-1717**.
- (iii) **Satpathy,M.R.**, Beura, S.K. and Mohanty,R.C.(2012). Epidemiological studies on *Colletotrichum lindemuthianum*(Sacc. & Magn.) Scribber, the incitant of Cowpea anthracnose. *J.Mycopath.Res.*, 50(2): 329-331. **ISSN: 0971-3719**
- (iv) **Satpathy,M.R.** and Beura, S.K. (2013). Effect of different spacings on the incidence of *Colletotrichum lindemuthianum*, the incitant of cowpea anthracnose. *J. Plant Prot. and Env.*,10(2):87-88. **ISSN: 0973-1717**
- (v) **Satpathy,M.R.** and Beura, S.K. (2013). Effect of botanicals on the management of *Colletotrichum lindemuthianum* in Cowpea. *J.Botan.Soc.Bengal*,67(2):141-144. **ISSN: 0971-2976**
- (vi) **Satpathy,M.R.** and Beura, S.K. (2015). Integrated management of *Colletotrichum lindemuthianum*, the incitant of anthracnose in cowpea. *Vege.Sci.*, 42(1):94-95. **ISSN:2455-7552**
- (vii) Dhal,A., Beura,S.K., Ranasingh,N., Khamari,B. and **Satpathy,M.** (2016). Efficacy of fungicides on inhibition of mycelia growth of *Alternaria solani*, the incitant of early blight disease in Tomato. *J.Mycopath.Res.*,54(3): 435-439. **ISSN: 0971-3719**
- (viii)**Satpathy,M.R.** (2019). Intellectual Property Rights and its relevance to Biodiversity. In: International Conference on “Biodiversity and Sustainability”,29-30 Jan.,2019.,NCAC,Jajpur,Odisha. **ISBN: 9-789353-468781**
- (ix)**Satpathy,M.R.**(2020). Impact of Climate Change on the transmission pattern of causatives of human diseases. In: International webinar on ‘Ecosystem conservation and Sustainability’,11-12 July,2020,NCAC,Jajpur,Odisha. **ISBN: 978-93-5407-921-4**
- (x)**Satpathy,M.R.**(2020). Ethno-medicinal use of plants as contraceptives for control of population. In: International Virtual Conference on ‘Ethnomedicine-Challenges and opportunities in global healthcare scenario’, 25-26 July,2020, NCAC,Jajpur, Odisha. **ISBN: 978-93-5408-117-0**

- (xi) **Satpathy, M.R.** and Beura, S.K. (2020). Management of *Colletotrichum lindemuthianum* (Sacc & Magn) Scribner, the incitant of cowpea anthracnose: An integrated approach. *Adv. Pl. Sci.*, 33(2):95-98. **ISSN: 0970-3586**
- (xii) **Satpathy, M.R.** and Beura, S.K. (2021). Effect of epidemiological parameters on the incidence of *Colletotrichum lindemuthianum*, the incitant of Cowpea anthracnose. *Adv. Pl. Sci.*, 34(I & II):207-208. **ISSN: 0970-3586**
- (xiii) **Satpathy, M.R.**, Beura, S.K. and Dhal, A. (2021). Fungitoxic activity of plant extracts on the growth of *Colletotrichum lindemuthianum*, the incitant of Cowpea anthracnose. *Adv. Pl. Sci.*, 34(I & II):51-55. **ISSN: 0970-3586**
- (xiv) **Satpathy, M.R.** and Beura, S.K. (2021). Evaluation of plant extracts for the management of cowpea anthracnose disease caused by *Colletotrichum lindemuthianum*. *J. Curr. Opin. Crop Sci.*, 2(3), 379-383. **ISSN: 2583-0392**
- (xv) **Satpathy, M.R.** and Parida, D. (2021). Effect of IAA on polar morphogenesis of haploid embryos and increased rate of androgenesis in *Brassica juncea* (YSRx727) F<sub>2</sub> hybrid. *Adv. Pl. Sci.*, 34(I & II):211-212. **ISSN: 0970-3586**
- (xvi) **Satpathy, M.R.**, Khilar, A.K. and Parida, D. (2021). Strategies for the management of toxic heavy metal contaminants through green clean technology for a sustainable ecosystem. *Int. J. Chem. Stud.*, 9(6):34-41. **ISSN: 2349-8528**
- (xvii) **Satpathy, M.R.**, Beura, S.K. and Dhal, A. (2021). Effect of fungicides on management of *Colletotrichum lindemuthianum*, the causative of cowpea anthracnose. *J. Mycopath. Res.*, 59(4): 443-446. **ISSN: 0971-3719**
- (xviii) **Satpathy, M.R.** (2021). Chemical control of cowpea anthracnose caused by *Colletotrichum lindemuthianum*. *Int. J. Adv. Chem. Res.*, 3(1):35-37. **ISSN: 2664-6781**
- (xix) **Satpathy, M.R.**, Parida, D. and Khilar, A. K. (2022). Assessment of fungitoxic effects of botanicals on the management of growth in *Colletotrichum lindemuthianum*, the incitant of cowpea anthracnose. *J. Curr. Res. Food Sc.*, 3(1):21-21. **E-ISSN: 2709-9385**  
DOI: <http://doi.org/10.22271/foodsci.2022.v3.ila.55>
- (xx) **Satpathy, M.R.** and Samantaray, S. (2023). Assessment of impact of nickel stress on the accumulation, pigments and protein content of water hyacinth (*Pontederia crassipes*)

L.). *South Asian J. Agric. Sc.*, 3(1): 145-148. **E-ISSN:2788-9297**. DOI: <https://doi.org/10.22271/27889289.2023.v3.i1b.82>

**8. M.Phil/Ph.D Thesis:**

**Satpathy, M.R.** (1993). Applications of *in vitro* Androgenesis: A review. M.Phil. Thesis, University of Delhi, Delhi.

**Satpathy, M.R.** (2013). 'Studies on Pathogenic Variability, Epidemiology and Integrated Management of *Colletotrichum lindemuthianum* (Sacc. and Magn.) Scribner, the incitant of Cowpea anthracnose'. Ph.D. Thesis, Utkal University, Bhubaneswar.

**9. Article Published in International / National Seminar:**

a. Vermicomposting: A factsheet. In: International Virtual Conference on Vermicomposting and Organic Farming; NC Auto. College, Jajpur. 29 & 30.08.2020, pp.64-68. **ISBN: 978-93-5416-150-6**

b. Management of Environmental Stress Due to Heavy Metals through Bioremediation and Genetically Engineered Microorganism. In: Seminar Proceedings of UGC Sponsored National seminar on Biotechnological Intervention for Abatement of Industrial and Mining Pollution; Dhenkanal Auto. College, Dhenkanal. 10 & 11.12.2016.

c. Biodiversity and the role of local bodies. In: Seminar proceedings of State level Seminar on Biodiversity and its conservation, Dhenkanal Auto. College, 24-25.02.2018.

**10. Books Published:**

a. Bureau's Higher Secondary Biology Vol. I (2016) Publisher: Odisha State Bureau of Textbook Preparation and Production, Bhubaneswar. **ISBN: 978-81-8005-359-7**

b. Bureau's Higher Secondary Biology Vol. II (2017) Publisher: Odisha State Bureau of Textbook Preparation and Production, Bhubaneswar. **ISBN: 978-81-8005-400-6**

**11. Abstracts:**

i. **Satpathy, M.R.** (2006). Role of Auxin in polar development and the increased rate of androgenesis in *Brassicajuncea* (YSRx727) F2 hybrids. In: National Seminar on Emerging trends in Plant Sciences: Morphology to Biotechnology, 29-30 Oct., 2006. Ravenshaw Auto. College, Cuttack.

ii. S.K.Beura, **Satpathy,M.R.** and Acharya,B.(2007). Assessment of fungitoxicants for the management of powdery mildew & *Cercospora* blight of Blackgram. In: Seminar on Roadmap for Agricultural Development in Orissa, 6-7 Dec., 2007. OUAT, Bhubaneswar.

iii. S.K.Beura, **Satpathy,M.R.**, Mahanta,I.C. and Acharya,B.(2007). Integration of Soil solarization, biological control and organic amendments for management of soil borne diseases of Brinjal. In: National Symposium on Microbial Diversity and Plant Health, 29-30 Nov., 2007, BCKV, Kalyani, West Bengal.

**12. Workshops/Seminars/Webinars Attended:**

i. Workshop on Promotion of Biotechnology in the Eastern Region to benefit SC/ST, Poor People and Women, 23 & 24. November, 2013, Dept. of Geology, Utkal University, Bhubaneswar.

ii. National Seminar on Herbal Therapy and Beauty Care, Sailabala Women's College, Cuttack on 13.11.2016.

iii. UGC Sponsored National Seminar on Biotechnological Intervention for Abatement of Industrial and Mining Pollution, Dhenkanal Auto. College, Dhenkanal, 10-11 Dec., 2016.

iv. UGC Sponsored Skill Development Programme on Basic Methods in Proteomics. In PG department of Biotechnology, Utkal University, Bhubaneswar, 28-29 March, 2017.

v. International Conference on Biodiversity and Sustainability, NCAC, Jajpur, Odisha.

**13. Orientation /Refresher Courses:**

i. Orientation Course: (03.04.08-30.04.08) Utkal University.

ii. Refresher Course on Biotechnology:(16.02.10-08.03.10) Utkal University.

iii. Refresher Course on Biotechnology:(24.02.11-16.03.11) Utkal University.

iv. Refresher Course on Plant Sciences:(19.01.13-08.02.13) Utkal University.

v. Refresher Course on Res.Methodology:(24.01.18-13.02.18) Utkal University.

vi. Refresher Course on Indigenous Studies:(28.01.22-10.02.22) Utkal University

vii. Refresher Course on Gender Studies:( 06.02.23-19.02.23) Utkal University

#### 14. Other Contributions: Popular Articles in News Papers/magazines

- i. Corona: Eka Aawahana: *Nitidina*(Odia Daily)5 July,21
- ii. Manaba Jati Lagi Aawahana: *Pragativadi*(Odia daily) 4 August,21
- iii. Juba pidhira aadarsha Niraj: *Pragativadi*(Odia daily) 19 August,21
- iv: Aamba' o 'Madhumeha: *Bigyana Diganta*, Volume 28(11),November.,2021, pp. 663-664
- v. "Bharata Eka Mandira": *Pragativadi* (OdiaDaily) 09 December,2021
- vi. "Jalabayu Paribartana: Manushyakruta": *BigyanaDiganta*, Volume 28(12), December, 2021, pp.744-747.
- viii. "Sarakara o Bus Bhada": *Pragativadi* (Odia Daily) 08 February,2022
- ix. "Vote prakriya abm karmachari": *Pragativadi*(Odia Daily)15 March,2022
- x. " Maharaga duniya re Shasta kichhi kiniba chala": *Nitidina*(Odia daily) 18 April,2022.
- xi. . "Bharatiyanka subarna sauka": *Samaj* (Odia Daily) : 5 May,2022.
- xii. "Piza ra sathi Oregano" : *Bigyana Diganata*:Vol:28(6),383: June 2022
- xiii. "Bata bana ra sangata Mobile": *Nitidina*(Odia Daily): 5 July,2022
- xiv. "Bata bana ra sangata Mobile": *Samaj*(Odia Daily): 11.July,2022
- xv. "Bata bana ra sangata": *Pragativadi*(Odia daily): 14 July,2022
- xvi. "Asanta Sri lanka o Paribarabad": *Nitidina*(Odia Daily):19 July,2022
- xvii. " Bharatiya jungle re afrikiya chita" : *Samaj*(Odia daily) : 20 Sept,2022
- xviii."Bharatiya jungle re chita": *Pragativadi*(Odia Daily): 21 Sept, 2022
- xix. "Biparita Manobhaba Kahinki": *Pragativadi*(Odia daily): 28 Oct,2022
- xx. "Samajika Shikara" : *Pragativadi*(Odia daily): 4 December,2022
- xxi. "Sankatare Gajaraj": *Samaj*(Odia Daily): 19 December,2022
- xxii. "Punascha Biswa cup Hockey" : *Sakala* (Odia Daily): 09 January,2023
- xxiii. "Bharatare Deshi Banam Bideshi Biswabidyalaya": *Sakala*(Odia Daily): 09 Feb,2023
- xxiv. "Bikhash pain jangal binash":*Sakala*(Odia Daily): 02 March,2023
- xxv. "Tini dasandhira Nayagarh": *Nitidina*(Odia Daily): 02 April,2023
- xxvi. "Adhunikata anwesana re relagadi": *Nitidina*(Odia Daily): 16 April,2023
- xxvii. "Bisforaka Bharatiya Janasankhya":*Samaj*(Odia Daily: 24 April,2023

- xxviii. “Nirapada matrutwa o krutrima prasaba ra sankata”:Sakala(Odia Daily): 08 May,2023
- xxix. “Durgatire bharatiya durgati nashini”: Odisha Bhaskar(Odia daily): 02 June,2023
- xxx. ‘LANCHA’ ra bisha balaya: Sakala(Odia Daily): 03 June,2023
- xxxi. “Daiba durbipak nuhen sadak durghatana”: Nitidina(Odia daily): 13 June,2023
- xxxii. “Arthika atanka kabalare Pakisthan”: Sakala(Odia daily):26 June, 2023
- xxxiii.“Arthika jwalare atanki Pakisthan”: Prajabarta(Odia daily): 23 July,2023
- xxxiv.“Manabiya abhibrudhire jaiba prajukti bigyan” Dharitri(Odia daily): 24 July,2023  
and Part-II: 31 July,2023
- xxxv. “Manabiya abhibrudhire jaibaprajukti bigyan”: Prameya(Odia daily): 17 August,2023
- xxxvi.“Odisha Millet Mission: A global blueprint for sustainability”: Udyogi Mitra,  
Vol.1,Issue: 4, 20 August, 2023
- xxxvii. “Ghataka Hebaki Krutrima Budhimata!”: Samaj (Odia Daily):25 August,2023

(Manas Ranjan Satpathy)