

## DR. AMITAVA NAYEK

Associate Professor

M.Sc. (Botany); B.Ed.; Ph.D. (Botany)

### ➤ Overview:

Dr. Amitava Nayek is presently teaching as an Associate Professor of Botany in T.D.B. College, Raniganj, West Bengal. He has done his doctorate in 2012 from Burdwan University. Dr. Nayek has published several books on Biological Sciences and has numerous research publications. His area of academic interest is Ecology, Environment, Plant Taxonomy and Allelopathy Science. Dr. Nayek has also presented his research papers in numerous national and international seminars, conferences, webinars etc. He has also visited Dhaka University, Bangladesh, twice for presenting his research works.

### ➤ Date of appointment to the present job:

13<sup>th</sup> April, 2005

### ➤ Other Academic/ Administrative post:

Member: Governing Body (13.09.2017 to till date), Member: Finance Committee (13.09.2017 to till date), Member: Development Committee (13.09.2017 to till date), Member: Library Committee

### ➤ Academic background:

Dr. Nayek has completed his schooling from Rathipur Barada Banipith in 1995. He is a graduate of Botany from Midnapore College (Autonomous) in 1998 and had done his Masters in Botany from Vidyasagar University in the year 2000. Also, he had done B.Ed. from Vidyasagar Teachers' Training College in 2001. He started his academic career as an Assistant Teacher of Life Science in Sorrong Madhusudhan Vidyapith and Khanpur Ganche High School from 2002 to 12<sup>th</sup> April, 2005. In 13<sup>th</sup> April, 2005 he joined T.D.B College as an Assistant Professor of Botany. He earned his doctorate in Botany from Burdwan University in 2012. Dr. Nayek is specialized in the field of Ecology, Environment, Plant Taxonomy and Allelopathy Science. He served Indian Science Congress Association by acting as Co-ordinator, Accommodation Committee in its 100<sup>th</sup> Year Indian Science Congress, held at Kolkata in 2013. Dr. Nayek has visited Dhaka University, Bangladesh twice in 2011 and 2014 for academic purposes. He has several research publications in journals of national and international repute. He has presented his research papers in national and international conferences in India and abroad. He has also participated in more than hundred seminars and webinars. He has written 4 books on Life sciences for the students of West Bengal and Tripura.

### ➤ Information about Ph. D.:

**Ph.D. Topic:** INVESTIGATION ON ALLELOPATHIC POTENTIAL OF *EUCALYPTUS GLOBULUS* LABILL. AND *PARTHENIUM HYSTEROPHORUS* L.

Web-link:

[https://drive.google.com/file/d/1cCYCtpAdocsDo5ffxRw-fy97Q2AWW\\_w7/view?usp=sharing](https://drive.google.com/file/d/1cCYCtpAdocsDo5ffxRw-fy97Q2AWW_w7/view?usp=sharing)

### ➤ Publications:

- ❑ **Nayek. A.** (2019). ASSESSMENT OF ALLELOPATHIC STATUS OF *Parthenium hysterophorus* L. BY PHYSIOLOGICAL AND BIOCHEMICAL APPROACHES. *Journal of Emerging Technologies and Innovative Research*. Vol.6, Issue-2, Feb. 2019, ISSN-2349-5162. IF- 5.87.
- ❑ **Nayek. A.** (2019). Physiological And Biochemical Consideration of Determining The Allelopathic Potentiality Of *Eucalyptus globulus*. Labill. *International Journal of Research and Analytical Reviews*. Vol. 6, Issue-1, Feb. 2019. E-ISSN: 2348-1269, P- ISSN: 2349-5138. IF – 5.75.

- ❑ **Nayek, A.** (2018). Allelopathy and Application of Natural Phytochemicals as Pesticides: A Review in Present Scenario. *International Journal of Research and Analytical Reviews* Vol.-5, Issue-3. pp-712-716., June, 22, 2018. E-ISSN: 2348-1269, P- ISSN: 2349-5138 IF- 5.75.
- ❑ **Nayek, A.** (2018). INVIGOURATION OF SEEDS OF *Rauvolfia serpentina* and *Withania somnifera* BY CHEMICAL MANIPULATION TECHNIQUES. *International Journal of Pharmacy and Biological Sciences*. Vol.-8, Issue-4, pp- 281-290., Oct.-Dec., 2018. ISSN: 2321-3272 (Print), ISSN: 2230-7605 (Online). IF- 4.72.
- ❑ **Nayek, A.** (2018). CRITICAL ANALYSIS OF ALLELOPATHIC STATUS OF *Eucalyptus globulus* Labill. THROUGH PHYSIOBIOCHEMICAL AND CYTOLOGICAL APPROACHES. *Journal of Emerging Technologies and Innovative Research*. Vol.-5, Issue-8, pp- 596-602., Aug, 2018. ISSN: 2349-5162. IF- 5.87.
- ❑ Bhakat, R.K., **Nayek, A.** (2006). Medicinal Plant Conservation Through Sacred Groves. Proceedings of UDC-sponsored Two-Day National Seminar on Medicinal Plants: Its Present status, Prospects and Conservation on 22-23, March, 2006. Dept. of Botany. Midnapore College. pp. 67-70.
- ❑ Dey, S., Ghosh, P., **Nayek, A.** (2005). The Influence of Environment upon the Evolution of a Sand Dunes in Tropical Environment Among Medinipur Coastal Area, India. *Indonesian Journal of Geography*, Vol.-7, No.-1, pp. 51-68. ISSN: 0024-9521.
- ❑ **Nayek, A.**, Kanp, U.K., Das, R.K., Bhakat, R.K., Bhattacharjee, A. (2004). A Comparative Physiological Study of Allelopathy of Eucalyptus and Parthenium. Proceedings of UGC-DSA National Seminar on Environmental and Fish Biology, 01-03, 2002; Cultural Issues in Environmental and Fish Biology. Shelly Bhattacharyya and Saumen Kr. Maitra (Ed.), Dept. of Zoology, Visva-Bharati, Daya Publishing House, Delhi-35. pp. 114-123. ISBN: 81-7035-317-3.
- ❑ Bhattacharjee, A., Bhakat, R.K., **Nayek, A.** (2001). Physiological Studies on Allelopathic Potential of *Eucalyptus* and *Parthenium*. *Journal of Biological Sciences*. V.U. Vol.-7. Pp. 28-37. ISBN: 0972-8503.

➤ **Books and Chapters:**

❑ **BOOKS:**

- ❑ **Nayek, A.**, Chakraborty, G., Mirdha, M. (2018). Uchhamadhyamik Byaboharik Jeebvidya Khata (Class-XII). 1<sup>st</sup> Edn. Katha-O-Kahini Prakasani, Kolkata-09. ISBN- 978-81-937267-2-3.
- ❑ **Nayek, A.**, Chakraborty, G., Mirdha, M. (2018). Jibon Bigyan Sufalam (Class-X). 1<sup>st</sup> Edn. Katha-O-Kahini Prakasani, Kolkata-09. ISBN- 81-87284-25-0.
- ❑ **Nayek, A.**, Chakraborty, G., Mirdha, M. (2016). Bigyan Jeebvidya (Class-X). 1<sup>st</sup> Edn. Katha-O-Kahini Prakasani, Kolkata-09.
- ❑ **Nayek, A.**, Chakraborty, G., Mirdha, M. (2016). Uchhamadhyamik Byaboharik Jeebvidya Khata (Class-XI). 1<sup>st</sup> Edn. Katha-O-Kahini Prakasani, Kolkata-09. ISBN- 81-87284-08-0.

❑ **BOOK CHAPTERS:**

- ❑ **Nayek, A.** (2018). Allelopathy and Application of Natural Phytochemicals as Pesticides: A Review in Present Scenario. Dr. Angana Ghoshal (Ed.). The Climate on the Edge-A Collection of Evidences, Impacts and Trends. (pp. 14-20). Ranjita Sarkar, Tristoop Publication.

□ **Nayek, A.** (2020). Biodiversity Conservation and Indian Legislations: A spotlight. E-proceedings World Environment Day Celebration through a webinar on: Celebration of Biodiversity: Solutions are in Nature. Prof. Subrata Raha (Ed.). Dept. of Botany, Sidho-Kanho-Birsha University, Purulia. (pp.- 38-41).

➤ **Seminars, Conferences , Webinars and workshops attended:**

- Seminars/ Conferences / Workshops: 48 in number
- Webinar: 57 in number

➤ **Life Membership:**

1. *Life Member: Indian Science Congress Association*
2. *Life Member: Botanical Society of Bengal*
3. *Life Member: Plant Physiology Forum*

➤ **Professional Courses:**

1. Orientation Programme – 01
2. Refresher Course – 02
3. Short Term Course - 03