

Personal Profile of Dr. Dilip Kumar Mandal

Name: Dilip Kumar Mandal.
Present Position: Assistant Professor of Botany, Bolpur College,
P.O. Bolpur, Dist. Birbhum, West Bengal, PIN- 731204.
Date of joining: August 23, 2008.
Residential Address: Baganpara, P.O. Santiniketan-731235, Birbhum, West Bengal.
Date of Birth: October 12, 1968.
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Education:

Course	Year	University	Class
B.Sc. Hons.	1990	Visva-Bharati	I
M.Sc.	1992	Visva-Bharati	I
Ph.D.	2000	Visva-Bharati	

Qualified **GATE 1992** and **NET 2001**

Publications:

1. **Mandal, D.K.**, Ray, S, & Mukherjee, A. 1995. Scanning Electron Microscopic study of oospore wall ornamentations in some taxa under *Nitella furcata* complex (Charophyta) from India. ***Phytomorphology*, 45: 39-45.**
2. **Mandal, D.K.** & Ray, S. 1999. Taxonomic significance of scanning electron microscopic study of oospore wall ornamentations in Charophyceae. ***Phytomorphology*, 49: 425-432.**
3. **Mandal, D.K.** & Ray, S. 1999. Application of Feulgen staining in the revelation of chromosome morphology in Charophyceae. ***Phycos*, 35: 81-86.**
4. **Mandal, D.K.** & Ray, S. 2000. On the occurrence of Charalean algae in lateritic belt of West Bengal. ***Journal of Phytological Research*, 13: 21-25.**
5. **Mandal, D.K.** & Ray, S. 2001. Karyotype analysis and cytotaxonomic study in the genus *Nitella* (Charophyceae), ***Phytomorphology*, 52: 27-32.**
6. **Mandal, D.K.**, Blazencic, J. & Ray, S. 2002. SEM study of compound oospore wall ornamentation of some members of Charales from Yugoslavia, Croatia and Slovenia. ***Archives of Biological Sciences (Belgrade)*, 54: 29-34.**
7. **Mandal, D.K.** & Ray, S. 2004. SEM study of the oospore wall in some taxa of the genus *Nitella* (Charales, Chlorophyta), ***Phytomorphology*, 54: 175-184.**
8. **Mandal, D.K.** & Ray, S. 2004. Taxonomic significance of micromorphology and dimensions of oospores in the genus *Chara* L (Charales, Chlorophyta), ***Archives of Biological Sciences (Belgrade)*, 56(3-4): 131-138.**
9. **Mandal, D.K.** & Ray, S. 2005. Effect of temperature and different germinator modulators on oospore germination in *Chara corallina* Klein ex Willd (Charales), ***Phytomorphology*, 55: 157-163.**

10. Mandal, D.K., Ojha, S.N., & Ray, S. 2008. Species-specificity of oospore dimensions in three ecorticate species of *Chara* (Charales, Charophyceae), *Aquatic Botany*, **88(2)**: 181-183.
11. Chakraborty, R., Mandal, D.K., Ojha, S.N., & Ray, S. 2009. Morphological and chromosomal variations in various population of *Chara fibrosa* from West Bengal, India and an analysis of physico-chemical parameters of the aquatic habitat, *Perspectives in Cytology and Genetics*, **14**: 157-164.
12. Debnath, M., Mandal, D.K. & Ray, S. 2011. Diversity, threats and conservation of algae – an overview. 2011. In : *Biodiversity : Assessment and Awareness*.(Ed) Mukhopadhyay, S.K., pp. 65-74.
13. Debnath, M. & Mandal, D.K. 2011. *Cyathodium aureonitens* (Griffith) Mitt. (Cyathodiaceae: Marchantiales), a tropical liverwort from alluvial zone of Gangetic plain, West Bengal, India, *Wesleyan Journal of Research*, **4(1)**: 8-10.
14. Debnath, M. & Mandal, D.K. 2011. Some interesting desmids from Birbhum district, West Bengal, India, *Wesleyan Journal of Research*, **4(1)**: 56-60.
15. Debnath, M. & Mandal, D.K. 2012. *Botrydium* Wallroth (Xanthophyceae, Heterokontophyta – an edaphic alga of potato field from the district of Birbhum, West Bengal, India, *Wesleyan Journal Research*, **5(1)**: 1-4.
16. Mandal, D.K. 2017. Poly-hydroxybutyrates (BHP) from cyanobacteria for the production of bioplastics. In: **Pollution: Disbalancing the Global Environment. Threats and Preventions**. Eds. DK Mandal & R. Mukherjee, pp. 12-18.
17. Debnath, M. & Mandal, D.K. 2017. Potential of algae as utilizable biofuel. In: **Pollution: Disbalancing the Global Environment. Threats and Preventions**. Eds. DK Mandal & R. Mukherjee, pp. 48-65.
18. Mandal, D.K. & Ray, S. 2022. An introduction to biodiversity, In: S. Ray (Ed.) *Topics on Biodiversity, Biotechnology and Bioinformatics*, pp. 1-41.
19. Mandal, D.K. & Ray, S. 2022. Fundamental aspects of Bioprospecting, In: S. Ray (Ed.) *Topics on Biodiversity, Biotechnology and Bioinformatics*, pp. 101-113.

Book edited:

Mandal, D.K. & Mukherjee R. 2017. *Pollution : Disbalancing the Global Environment, Threats and Preventions*. Parampara Publication, Kolkata and Bolpur College. Pp.160.

Life members:

- i) Wesleyan Journal of Research.
- ii) Probir Chatterjee Research Foundation, Kolkata.
- iii) St John Ambulance Association, Burdwan.

Administrative experience:

- i) Secretary, Teachers Council, Bolpur College (8.08.2014-30.06.2016).
- ii) Co-ordinator, NSOU Study Centre, Bolpur College (4.01.2014-31.03.2016).
- iii) Member of GB (University nominee) of Chandidas Mahavidyalaya (2012-2015).
- iv) Member of GB (University nominee) of Kabi Joydeb Mahavidyalaya (2015-2018).

- v) Member of GB (Government nominee) of Kabi Joydeb Mahavidyalaya (2018-till date).

Supervision of research project:

Completed one research project entitled “**Diversity of Bryophyte flora in alluvial soil of Gangetic plain of West Bengal**”,

Funding agency: **West Bengal Biodiversity Board.**

Period: 25.04.2012 - 24.04.2014.

Seminar/ Symposium Organizes:

Joint Convener of UGC Sponsored National Symposium on “*Pollution: Disbalancing the Global Environment: Threats and Prevention,*” March 5-6, 2011, Faculty of Science, Bolpur College.

OP/RC Attended

1. UGC Sponsored 84th Orientation Programme from 18.02.2012 to 16.03.2012, Academic Staff College, The University of Burdwan.
2. UGC Sponsored 5th Refresher Course in Life Science from 9.07.2013 to 29.07.2013., Academic Staff College, The University of Burdwan.
3. UGC Sponsored Short Term Course on *Open Source Software* from 23.02.2016 to 29.02., Academic Staff College, The University of Burdwan.
4. UGC Sponsored *Winter School of Biological Science* from 11.01.2017 to 31.01.2017, Academic Staff College, The University of Burdwan.