



BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR JUKTA ADHIKARI, DEPARTMENT OF BOTANY

➤ DESIGNATION	: Professor & Head of the Department
➤ QUALIFICATION	: M.Sc., Ph.D.
➤ DATE OF JOINING THE SERVICE	: Nov 22, 1985
➤ DATE OF JOINING THE INSTITUTION	: Jul 1, 2015
➤ ADDRESS FOR COMMUNICATION	: 77 Sultan Alam Road, Flat No. 004, First Floor, Kolkata - 700 033
➤ PHONE NO	: 9831375422
➤ EMAIL ADDRESS	: adhikarijukta@gmail.com
➤ SPECIALIZATION	: Biochemistry
➤ TEACHING EXPERIENCE	: 36 Years (36 years in UG and 26 years in PG & UG)
➤ COLLEGE SERVED	: 1. Jhargram Raj College (22/11/1985 to 11/07/1990) 2. Darjeeling Govt. College (16.07.1990 to 20.05.1996) 3. Chandernagore Govt. College (22/05/1996 to 10/09/2001) 4. Presidency College (11/09/2021 to 29/11/2012) 5. Bethune College (30/11/2012 to 12/08/2013) 6. Addl. DPI (Admn) (13/08/2013 to 30/06/2015) 7. Barasat Govt. College (01/07.2015 to till date)

 ACADEMIC AND ADMINISTRATIVE EXPERIENCE	: Former HOD of Botany, Darjeeling Govt. College (3.8 years), HOD, Bethune College (7 Months), ADPI (2 years-rounded off)
 TOPICS TAUGHT	: Plant Physiology, Biochemistry & Molecular Biology
 AREA OF RESEARCH & INTEREST	: Enzymology
 ONGOING PROJECT DETAILS	: None
 AWARD RECEIVED	: None
 PATENT DETAILS	: None
 EXTRACURRICULAR ACTIVITIES	: Published 7 books of Bengali Poems
 CAREER PROFILE	: B.Sc. (Hons in Botany)-1976- Visva-Bharati, M.Sc. (Botany)-1978 (First Class First) Visva-Bharati, Ph.D., 1984- Visva-Bharati, PDF -1984-85 (2 Years)-Visva-Bharati
 ACADEMIC LINK	: NONE

PUBLICATION

JOURNAL PUBLICATION :

- (1) 1. Adhikari, J. and Majumder, A.L., 'Differences in thermal stability of the fetal and adult brain myo-inositol synthase: Probable involvement of NAD.', FEBS Letters (Elsevier, UK), 163: 46-49 (1983)., 0014-5793
- (2) DasGupta, S., Adhikari, J. and Majumder, A.L., 'L-myo-inositol-1-phosphate synthase from lower plant groups : Partial purification and properties of the enzyme from *Euglena gracilis*.', *Physiol.Plant.*, 61: 412-416 (1984), 1399-3054
- (3) Adhikari, J., Majumder, A.L., Bhaduri, T.J., DasGupta, S., and Majumder, A.L., 'Chloroplast as a locale of L-myo-inositol-1-phosphate synthase.', *Plant Physiol.* (ASPB, USA), 85: 611-614 (1987), 0032-0889
- (4) Chhetri, D.R., Choudhuri, M., Mukherjee, A.K. and Adhikari, J., 'L-myo-inositol-1-phosphate synthase: partial purification and characterization from *Gleichenia glauca*.', *Biologia Plantarum.* (Springer, Netherlands), 49: 59-63 (2005), 0006-3134
- (5) Chhetri, D.R., Mukherjee, A.K. and Adhikari, J., 'Partial purification and characterization of L-myo-inositol-1-phosphate synthase of pteridophytic origin.', *Acta Physiologiae Plantarum.* (Springer, Berlin / Heidelberg), 28: 101-107 (2006), 0137-5881
- (6) Chhetri, D.R., Adhikari, J. and Mukherjee, A.K., 'NAD⁺ Mediated differential thermotolerance between chloroplastic and cytosolic L-myo-inositol-1-phosphate synthase from *Diplopterygium glaucum* (Thunb.) Nakai.', *Preparative Biochemistry & Biotechnology* (Taylor & Francis, USA), 36: 307- 319 (2006), 1082-6068
- (7) Raychaudhuri,B., Adhikari,J. and Bhaumik, S., 'Multispectral and hyperspectral analysis and modelling of the absorbance characteristics of marine algal pigments.', *International Journal of Remote Sensing* (Taylor & Francis, UK), 29 (3): 787-799 (2008), 0143-1161
- (8) Basak, A., Jha, T.B. and Adhikari, J., 'Biosynthesis of myo-inositol in lycopods: characteristics of the pteridophytic L -myo-inositol-1-phosphate synthase and myo-inositol-1-phosphate phosphatase from the strobili of *Lycopodium clavatum* and *Selaginella monospora*.', *Acta Physiologiae Plantarum.* (Springer, Berlin / Heidelberg), 34(4): 1579-1582 (2012), 1861-1664
- (9) Jha, T.B., Mukherjee, S. Basak, A. and Adhikari, J., 'In vitro morphogenesis in *Selaginella microphylla* (Kunth.) Spring.', *Plant Biotechnology Reports*, Springer Japan, 41456, 1863-5474
- (10) Ghosh, S. S., Das, M., Basu, S., Adhikari, J., 'Gluconeogenic fructose-1, 6-bisphosphatase from the mature sporocarps of common aquatic ferns: partial purification and basic characterization of this enzyme from *Marsilea minuta* (Polypodiopsida).', *Ukrainian Botanical Journal*, 77(5), 386-397 (2020), 2415-8860



BOOK PUBLICATION

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