


Title	First Name	Last Name	Photograph
Designation	<b>Dr. Gladys Muivah</b>		
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<b>Educational Qualifications:</b>			
Degree	Institution	Year	
B.Sc. (Hons.) Botany	<b>Manipur University</b>	<b>1998</b>	
M.Sc Botany	<b>Manipur University</b>	<b>2000</b>	
M.Phil	<b>University of Delhi</b>	<b>2006</b>	
Ph.D	<b>University of Delhi</b>	<b>2012</b>	
<b>Career Profile</b>			
<ul style="list-style-type: none"> <li>• Guest Lecturer in Maitreyi College, University of Delhi from August, 2010-March 2011</li> <li>• Assistant Professor in Sri Guru Tegh Bahadur Khalsa College, University of Delhi from July 2011 to July 2017</li> <li>• Assistant Professor in Gargi College, University of Delhi from July 2017 to till date.</li> <li>• Lecturer (Botany) in Mt. Everest Senior Secondary School, Senapati, Manipur, 2002-2004.</li> <li>• Assisted in M.Sc. (Botany) Biotechnology Practical classes, University of Delhi, 2006-2007.</li> </ul>			
<b>Areas of Interest / Specialization</b>			
Plant Tissue Culture			
<b>Subjects Taught</b>			
Plant physiology			

Plant biotechnology  
Economic Botany  
Plant systematics  
Molecular biology  
Genetics and molecular biology

#### Recent Publications

- Kapai, V.K.; Judith, L. & Muivah, G. (2022). Indigenous Fermented Food and Beverages of Manipur. In M.Sing; G.P. Singh & S. Tyagi (Eds.) Microbial Products: Applications and Translational Trends (1<sup>st</sup> ed. pp 119-135). CRC Press. E-ISBN 9781003306931.
- Muivah, G.; Kapoor, P. & Rao, I.U. 2011. Understanding the physiological, biochemical and molecular aspects of growth and development of geophytes (rhizome, tuber, bulb and corm) in higher plants. *In Biotechnology: A New Approach*. P.C.Trevedi (ed.). Agrobios (India). Pp 243-262. ISBN (13): 978-81-7754-443-5.
- Rao, I.U.; Kapoor, P. & Muivah, G. 2011. *In vitro* propagation of *Dendrocalamus strictus*, *Bambusa bambos* var *gigantea* and *Dendrocalamus asper* and study of *in vitro* flowering in *Bambusa bambos*. *In Advances in Bamboo Plantation, Management and utilization*. Arya, I.D.; Arya, S.; Rathore, T.S.& Kant, T. (eds). Arid Forest Research Institute (Indian Council of Forestry Research & Education) New Pali Road, Jodhpur (India). Pp 1-19.
- Kapoor, P.P. ; Kapai, V.K. ; Muivah, G. & Rao, I.U.2013. Physiological ageing during prolonged *in vitro*-culture of multiple shoots of *Bambusa bambos* var. *gigantea* Bennet and Gaur. *J. Hort. Sci. & Biotech.* 88 (4): 476-482. ISSN 1462 0316.
- Muivah, G. & Kapai, V.Y. 2014. Zygotic and somatic embryogenesis. *In Plant Biotechnology*, Sisodia, R. (ed .) MHRD Project” National Mission on Education Through ICT”. Visual Learning Environment, Institute of Life Long Learning University

of Delhi, ISSN 2349-154X.

- Muivah, G.; Kapai, V.Y. & Chugh, S. 2014. Totipotency and organogenesis. *In Plant Biotechnology*, Sisodia, R. (ed.) MHRD Project” National Mission on Education Through ICT”. Visual Learning Environment, Institute of Life Long Learning University of Delhi, ISSN 2349-154X.

#### Conference Organization/ Presentations

##### **Oral Presentation in International Conferences**

- Muivah, G. Verma, R.; Rao, I.U. 2009. Allelopathic effects of *Parthenium hysterophorus* L., *Trianthemum portulacastrum* L. and *Amaranthus spinosus* L. on germination and growth of seedlings of *Bambusa bambos*. In VII World Bamboo Congress proceeding, Bangkok, Thailand, September 16-18, 2009. Vol-6: 68-77. ISSN: 2150-1165.
- Muivah, G & Rao, I.U. 2012. Origin, Growth and Anatomy of the Rhizome of *Dendrocalamus strictus* Nees. IX World Bamboo Congress proceedings, Antwerp, Belgium, April 9-12, 2012. pp 589-600. ISSN: 2150-1165.

##### **Oral Presentation in National Conference**

- Kapoor, P.; Muivah, G. & Rao, I. Usha. 2008. *In vitro rhizome* induction for mass scale propagation of *Bambusa bambos* var *gigantea* In: National Symposium on Plant Biotechnology for Conservation, Characterization and Crop Improvement, Udaipur, February 8-10.

##### **Conference Proceedings:**

- Rao, I.U., Kapoor, P. & Muivah, G. 2008. Micropropagation, the practical way for mass scale production and conservation of green gold. In: International Conference proceedings on Improvement of Bamboo Productivity and Marketing for Sustainable Livelihood. New Delhi, India April 15-17, 2008. pp 404-410.
- Muivah, G. Verma, R.; Rao, I.U. 2009. Allelopathic effects of *Parthenium hysterophorus* L., *Trianthemum portulacastrum* L. and *Amaranthus spinosus* L. on germination and growth of seedlings of *Bambusa bambos*. In VII World Bamboo Congress proceeding, Bangkok, Thailand, September 16-18, 2009. Vol-6: 68-77. ISSN: 2150-1165.
- Muivah, G & Rao, I.U. 2012. Origin, Growth and Anatomy of the Rhizome of *Dendrocalamus strictus* Nees. IX World Bamboo Congress proceedings, Antwerp, Belgium, April 9-12, 2012. pp 589-600. ISSN: 2150-1165.
- Muivah, G. & Rao, I.U. 2009. Axillary shoot proliferation and *in vitro* flowering from the nodal explants of *Bambusa balcooa* Roxb. National Seminar on Bamboo plantation, management and its utilization. Arid Forest Research Institute, Jodhpur, India, March 17-19, 2009.
- Kapoor, P.; Muivah, G. & Rao, I. Usha. 2008. *In vitro* rhizome induction for mass scale propagation of *Bambusa bambos* var *gigantea* In: National Symposium on Plant Biotechnology for Conservation, Characterization and Crop Improvement, Udaipur, February 8-10.
- Kapoor, P.; Muivah, G. & Rao, I.U. 2010. Induction and Control of Vegetative adulthood by Rhizome Formation in Bamboos. In Abstracts INBAR Congress on Bamboo and

Rattan, Shanghai, China, May 20-22, 2010.

**Research Projects (Major Grants/Research Collaboration)**

**Awards and Distinctions**

**Association With Professional Bodies**

**Other Activities**