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Education and experience

- Ph. D. : Department of Botany, University of Pune; 1990
- M. Phil. : Department of Botany, University of Pune; 1984
- M. Sc. : Department of Botany, University of Pune; 1982
- B. Sc. : S. D. College, Alleppey (under Kerala University); 1980

Achievements

- The editors of Temperate Bamboo Quarterly (Tennessee, U.S.A.) found one of my articles (**John, C. K.**, Nadgauda, R. S. and Mascarenhas, A. F. 1995. Bamboos - some newer perspectives. *Current Science*, **68**: 885-896) “*excellent research and writing*” and reproduced it in full (in their Vol.11).

Research subjects:

- Plant Tissue Culture
- Genetics and Plant Breeding

Research Areas

- *In vitro* propagation of economically important plants
- *In vitro* induction of flowering, and
- *In vitro* production of storage organs, for plant breeding/ production of low volume : high value phytochemicals
- Genetic improvement of crop plants through induction of polyploidy.
- Genetic improvement of economically important plants for abiotic stress tolerance.

Recent publications

1. **John, C. K.**, Nadgauda, R. S. and Mascarenhas, A. F. 1997. *Tissue Culture of Economic Plants*, published jointly by Centre for Science & Technology of the Non-Aligned and other Developing Countries, New Delhi, and Commonwealth Science Council, London.
2. **John, C. K.**, 2011. Plant propagation through *in vitro* production of storage organs, In: *Plant Tissue Culture: Totipotency to Transgenic*, Sharma, H. P., Dogra, J. V. V. and Misra, A. N. (eds.), Agribios (India), Jodhpur, pp. 273-288.
3. **John, C. K.** and Parasharami, V. A., 2012. Bamboo: Application of plant tissue culture techniques for genetic improvement of *Dendrocalamus strictus* Nees, In: *Improving Crop Resistance to Abiotic Stress*, Tuteja, N., Gill, S. S., Tiburcio, A. F. and Tuteja, R. (eds.), Wiley_VCH Verlag GmbH & Co. KGaA. (in press).