

Dr. Krishnakumar G.



Designation : Professor

Co-ordinator Vijaya Bank Chair on Ecology and Environment

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Qualification: M. Sc., M. Phil., Ph. D.

Area of Specialization: Angiosperm Taxonomy and Forest Ecology

Research Field: Forest Ecology, Taxonomy and Phytochemistry

Number of Ph.D. candidates successfully completed: 06

Number of Ph.D. candidates currently working: 06

Number of M.Phil. candidates successfully completed: 02

Number of M.Phil. candidates guiding now: Nil

Research Publications: 36

Papers published

K Rashmi and G Krishnakumar & Donald H Les. (2017) *Blyxa mangalensis* A new species of Hydrocharitaceae from India Kew Bulletin 72.2 DOI 10.1007/S12225.016-9663-4 25(2), 146-147

Soniya Marsi Lobo and Krishnakumar G (2016) An assessment of heavy metal pollution and accumulation potential of mangrove fern *Acrostichum aureum* L. from South West Coast of Karnataka. Pollution Research 35(4):773-779 ISSN : 0257-8050

Rashmi K and G Krishnakumar (2015) *Hedjotis Kurzii* (Rubiaceae) A new record for Peninsular India, Rheedia 25(2), 146-147

Shilpa and G Krishnakumar (2015) Nutritional, fermentation and pharmacological studies of *Syzygium caryophyllatum* (L.) Alston and *Syzygium zeylanium* (L.) DC fruits, *Cogent Food & Agriculture* 1:1018694

H.S. Shenoy, Krishnakumar G. and Ramakrishna Marati (2015) Rediscovery of *Syzygium kanarensis* (Talbot) Raizada (Myrtaceae) - an endemic species of the Western Ghats, India, *Journal of Threatened Taxa*, 7(1) 6833-6835

Keshavachandra K, Krishnakumar G. and H.S. Shenoy (2014) Seed Germination Studies on *Lophopetalum wightianum* Arn. - An Evergreen Species of the Western Ghats, *International Journal of Plant Animal and Environmental Sciences*, vol 4, issue 3, No. 502-507 ISSN No. 2231-4490

G.R. Rao, G. Krishnakumar, Sumesh, N. Dudani, M.D. Subhash Chandran and T.V. Ramachandra (2013) Vegetation Changes along Altitudinal Gradients in Human Distributed Forests of Uttara Kannada, Central Western Ghats, *Journal of biodiversity*, 4(2):61-68

Soniya Marsi Lobo and G. Krishnakumar (2013) assessment of Nutritive value, Mineral elements and antioxidant property of *Christella Dentata* (forssk.) Brownsey and Jerney and *Lygodium flexuosum* L., *Indian fern Journal* 30:95-102

Naveen G.P.A.N. and G. Krishnakumar (2013) Traditional and medicinal uses of *Garcinia gummi-gutta* Fruit – A Review, *Species* 4 (10) 4 - 5

Sudhir Kamath K.V., G. Krishnakumar, Mavarkar N.S. and Anand M.R. (2013) effects of Methods and qualities of Zinc Sulphate application on nodulation in irrigated groundnut (*Arachis hypogaea* L.) *Discovery*(14), 15-17

K Rashmi and Krishnakumar G. (2013) *Eriocaulon gopalakrishnianum* sp. nov. a new species from the coastal lateritic plateau *Nordic Journal of Botany*

K.J. Shilpa, G Krishnakumar and Shenoy Sooryaprakash (2013) Phytochemical Composition, Antioxidant and Antibacterial Activities of Two *Syzygium* spp. *Journal of Herbs, Spices and Medicinal Plants* 22:44

Soniya Marsi Lobo and G. Krishnakumar (2013) Studies on ecological anatomy of the Mangrove fern *Acrostichum aureum* L. *International Journal of Plant, animal, Environmental Sciences* Vol 4:1

Rashmi K and Krishnakumar G (2013) *Eriocaulon gopalakrishnianum* sp. nov. a new species from the coastal lateritic plateau *Nordic Journal of Botany* 30:001-0041

Krishnakumar G. Shruthakeerthiraja and Sooryaprakash Shenoy *Mikania cordata* (2012) A new record to Karnataka. *Journal of Economic and taxonomic Botany*

Shruthakeerthiraja and Krishnakumar G. (2012) Phytosociological studies on a low altitude forest of the Western Ghats region India. *Indian Journal of Science* Vo. No.1

Naveen G.P.A.N. and Krishnakumar G. (2012) Atomic Absorption Spectroscopic Analysis of Fruit rind and seeds of *Garcinia* species. *Indian Journal of Science* 2012 1(1) 61-63

Naveen G.P.A.N. and Krishnakumar G. (2012) Biochemical analysis and seed oil characterizations of *Garcinia indica*, *G. xanthochymus* and *G. gummi-gutta* for nutritional qualities. *Indian Journal of Science* 2012 1(1) 71-73

Shilpa K.J. and Krishnakumar G. (2012) Phytochemical screening, Antibacterial and Antioxidant efficacy of the leaf and bark extracts of *Syzygium caryophyllatum* (L.) Alston Vol.4, Suppl 3,2 2012 (198-202) *International Journal of Pharmacy and Pharmaceutical sciences (IJPPS)*, I.F. 0.38

Jyothi Miranda, Krishnakumar G. and Avila D'silva (2012) Removal of Pb²⁺ from aqueous system by live *Oscillatoria laete-virans* (Croun & Croun) Gomont isolated from industrial effluents – *World Journal of Microbiology and Biotechnology* 28(10):3053-3065-2012 DOI 10.1007/S11274-012-1115-1, I.F. 1.532

Jyothi Miranda, Krishnakumar G. and Richard Gonsalves (2012) Lead sorption by living biomass of *Chroococcus multicoloratus* and *Oscillatoria trichoides*: Kinetics and equilibrium studies. *Annals of Microbiology* DOI 10.1007/S13213-0509-5.2012, I.F. 0.689

Jyothi Miranda, Krishnakumar G. and Richard Gonsalves (2012) Cr⁶⁺ bioremediation efficiency of *Oscillatoria laete-virans* (Croun & Croun) Gomont & *Oscillatoria trichoides* Szafer: kinetics and equilibrium study, *J. Appl. Phycol* DOI 10.1007/S10811-012-9800-x, I.F. 2.41

Krishnakumar G. Shruthakeerthiraja and Sooryaprakash Shenoy *Mikania cordata* – A new record to Karnataka. *Journal of Economic and taxonomic Botany* (Accepted 2012)

Shruthakeerthiraja and Krishnakumar G. (2012) Phytosociological studies on a low altitude forest of the Western Ghats region India. *Indian Journal of Science* Vo. No.1

Naveen G.P.A.N. and Krishnakumar G. (2012) Atomic Absorption Spectroscopic Analysis of Fruit rind and seeds of *Garcinia* species. *Indian Journal of Science* 2012 1(1) 61-63

Naveen G.P.A.N. and Krishnakumar G. (2012) Biochemical analysis and seed oil characterizations of *Garcinia indica*, *G. xanthochymus* and *G. gummi-gutta* for nutritional qualities. *Indian Journal of Science* 2012 1(1) 71-73

Sudhir Kamath K.V., G. Krishnakumar, M. Hanumanthappa, N.S. Mavarkar and M.R. Anand (2012) Effects of Methods and quantities of zine sulphate application on Nodulation in irrigated Ground nut. *The Ekologia* Vol 12 (1) 2012

Sudhir Kamath K.V., G. Krishnakumar, M. Hanumanthappa, N.S. Mavarkar and M.R. Anand (2011) Influence of Methods and quantities of Borax application on Nodulation in irrigated ground nut. *Journal of Current Sciences*, Vol.16 No.1 – 2011

Sudhir Kamath K.V., G. Krishnakumar, M. Hanumanthappa, N.S. Mavarkar and M.R. Anand (2011) Effects of Methods and quantities of zinc sulphate application on Nodulation in irrigated Ground nut. *The Ekologia* Vol. 12. No.1

Jyothi Miranda and Krishnakumar G., (2011) Effect of heavy metals on morphology, growth and pigment contents of microalgae isolated from industrial effluents. *Int. J. Eco. Env. Sci.* Vol.37 (3): pp.119-130

H.S. Shenoy & G. Krishnakumar (2009) A note on the occurrence of *Schezea digitata* (L.) Sw. in a lowland evergreen forest of Dakshina Kannada in Karnataka. *J. Eco. Taxon. Bot* 33: 1: 54-56

Shenoy H.S. and Krishnakumar G. (2007) *Helminthostachys zeylancia* (L.) Hook. Ophioglossaceae – A new record to Karnataka. *India. Indian Fern.J.* 24: 164-166

Krishnakumar.G. and H.S. Shenoy 2006. *Syzygium travancoricum* Gamble(Myrtaceae)- A new record to Karnataka. *J. Econ. Taxon. Bot.* Vol. 30.4. pp 900- 902.

Krishnakumar G., H.S. Shenoy & Kaveriappa 2004. Rediscovery of *Madhuca insignis* (Radlkofer) H.J. Lam (Sapotaceae) – a critically endangered species of the Western Ghats of India. *Phytomorphology* 53 (3&4) pp 01-05

Krishna Kumar G and K.M. Kaveriappa, 1999. *Hopea canarensis* Hole: a little known species of the Western Ghats. *India. J. Trop. For. Sci.* 11: 337-344.

Krishna Kumar, G., Gopalakrishna Bhat and K.M. Kaveriappa, 1998. Endemic, rare and threatened plants of the Kaiga forest of Uttara Kannada in Karnataka. *Higher plants of Indian sub-continent* VIII: 215-221.

Krishnakumar G., Gopalakrishna Bhat K. and K.M. Kaveriappa 1995. Studies on the vegetation of Kaiga. *Myforest* 31(4): 29-41.

Projects completed

Sl. No.	Title	Amount (Rs. In Lakhs)	Funding Agency
1	"Structural & Phytodiversity studies on <i>Myristica swamps</i> in Dakshina Kannada District"	Rs. 6.4	UGC
2	"Improvement of Infrastructural facilities in the Botanical Garden for conservation of Rare, Endangered and threatened plants"	Rs.15.26	MoEF

Memberships

- Chairman - Department Council; BOE, P.G. BOS and U.G. BOS in Applied Botany
- Life member, Indian Association of Angiosperm Taxonomy (IAPT)
- Member, Indian Fern Society
- Member, National Institute of Ecology