

Detailed CV



Name : Dr. Krishnakumar G

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

Designation: Professor

Address for Correspondence:

Department of Applied Botany
Mangalore University
Mangalagangothri – 574 199

E-mail: kkgtaxo13@gmail.com ; kkgmane@rediffmail.com

Phone: +91-824-2287 272(O); 9449330901(M)

Research Areas : Forest Ecology, Taxonomy and Phytochemistry

Professional Teaching Experience : 23 years

Research Guidance (M.Phil. /Ph.D.):

Completed students' list (with hyperlinks to their CV if available)

M.Phil.

Sl. No.	Name of the candidate	Name of the Guide	Title of the thesis	Date of award
1	Mr. Murali P.G	Dr. Krishnakumar G	"Effect of <i>Glomus mosseae</i> and <i>Glomus faciculatum</i> on Matti gulla Brinjal – <i>Solanum melongena</i> L.	24.05.2012
2	Ms. Rashmi P.S.	Dr. Krishnakumar G.	"Preliminary Biochemical Characterization of <i>Remusatia vivipara</i> (Roxb.) schott, <i>Colocasia esculenta</i> (L.) Schott and <i>Cassia tora</i> L."	20.06.2012

Ph.D

Sl. No.	Name of the candidate	Name & Address of the Guide	Title of the thesis	Date of award
1.	Mr. Shrutakeerthi Raja S B	Dr. Krishnakumar G	"Structural studies on the forests of Belthangady Taluk of Dakshina Kannada District – Karnataka"	05.10.2013
2.	Mr. Sudhir Kamath K.V.	Dr. Krishnakumar G	"Response of groundnut and blackgram crops to zinc and boron micronutrient application in coastal zone of Karnataka State"	20.01.2015
3.	Naveen G.P.A.N	Dr. Krishnakumar G	"Biochemical studies of a few species of <i>Garcinia</i> "	20 th August 2015
4.	Jyothi Theresa Miranda	Dr. Krishnakumar G	"Studies on the ecology, heavy metal toxicity and bioremediation potential of selected microalgae"	8 th October 2015
5.	Sri. Ramachandra Rao G.	Dr. Krishnakumar G	"Ecology of Relic Evergreen Forests in Central Western Ghats"	16 th September 2016
6.	Shilpa K J	Dr. Krishnakumar G	"Phytochemical and Pharmacological studies on the selected species of <i>Syzygium</i> "	28.04.2017
7.	Soniya Marsi Lobo	Prof. Krishnakumar G	"Nutritional and Ecological studies on the Mangrove fern <i>Acrostichum aureum</i> L."	8.08.2018
8.	Keshava Chandra K	Prof. Krishnakumar G.	"Ecological and Floristic studies on the <i>Myristica</i> swamps and its adjoining forests in the Dakshina Kannada region of the Western Ghats"	20.11.2019

Ongoing Registered Students' list

Sl. No.	Name of the candidate	Name & Address of the Guide Department /	Title of the thesis	Date of award
1.	Rashmi K	Dr. Krishnakumar G	Floristic and Ecological Studies on the Low Altitude Grasslands of the Coastal Region of the Western Ghats	ongoing
2.	Shilpa B	Dr. Krishnakumar G	Phytochemical Studies on some potential medicinal plants of the Western Ghat region	ongoing
3.	Murali P G	Prof. Krishnakumar G	Ecological and Phytochemical studies on selected wild mango varieties of Dakshina Kannada region	ongoing
4.	Karunya Shetty S	Prof. Krishnakumar G	Studies on ecology, diversity and phytochemical screening of some	ongoing

			freshwater microlgae	
5.	Akarsha B	Prof. Krishnakumar.G	Studies on phytochemical and hepatoprotective activity of some medicinal plants	ongoing
6.	Sushmitha C H	Prof. Krishnakumar.G	Antidiabetic activities of selected species of <i>Syzygium</i>	ongoing
7.	Yogeesha A	Prof. Krishnakumar.G	Ethnobotanical studies on Herbal folk remedies for common Neuro-Musculo-Skeletal disorders in the Western Ghat region of Dakshina Kannada District of Karnataka State, India	ongoing
8.	Blesita Olivia Cardoza	Prof. Krishnakumar.G	Phytochemical analysis and bioactive potential of <i>Drypetes confertiflora</i> (Hook.f.) Pax & K.Hoffm	ongoing

Research Projects (List)(if applicable)

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

Research Journal Publications (list)

International

Karunya Shetty S. & Krishnakumar G (2020) Algal and cyanobacterial biomass as potential dye biodecolorizing material: A review *Biotechnology letters*, Springer ISSN doi./10.1007/s10529-020-03005 I.F. 2.2 h-index 101

Jyothi Miranda and G Krishnakumar (2018) *Partial characterization of the exopolysaccharide from Oscillatoria trichoides Szafer and the role of released polysaccharide in sequestration of Cr⁶⁺* **REMEDIATION-THE JOURNAL OF ENVIRONMENTAL CLEANUP COSTS TECHNOLOGIES & TECHNIQUES** ISSN: 1051-5658 **Bioremediation 2018:28:51-64**

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, *Rheedea* 25(2), 146-147

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

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

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

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

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

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

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.

National

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

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 Jermeý and *Lygodium flexuosum* L., *Indian fern Journal* 30:95-102

- 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
- 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
- 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
- Sudhir Kamath K.V., G. Krishnakumar, M. Hanumanthappa, N.S. Mavarkar and M.R. Anand (2012) Effects of Methods and quantities of zinc 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
- 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., 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.

Papers/ poster presentations in Conferences / Seminars / Symposia (list)

International

- Akarsha B, G. Krishnakumar (2020) Antioxidant potency of *Lagenandra toxicaria* Date and *Ariopsis peltata* Var. International conference on Synergy of Science (ICSS-2020) School of Chemical & Biotechnology SASTRA Deemed University February 27-29, 2020 poster presentation

National

Karunya Shetty S, G. Krishnakumar (2019) Diversity and Seasonal variation of a Pond in Mangalore, Karnataka National conference on Bioprospecting of Algae: Resources Conservation and Utilization Department of Plant Sciences, Central University of Kerala 1 & 2 August 2019 Oral presentation

Karunya Shetty S and G Krishnakumar (2017) Physico-chemical parameters of selected ponds of Dakshina Kannada district "National Conference on Science and Technology-Reaching the Unreached-Recent advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment", Mangalore University, Mangalagangothri, Mangalore, Karnataka, September 8-9th.

G.R. Rao, G. Krishnakumar, M.D. Subash Chandran, T.V. Ramachandra (2012) Seasonal Wetland flora of the laterite plateaus of Coastal Uttara Kannada Lake 2012: National Conference of Conservation and Management of Wetland Ecosystems – Held at M.G. University, Kottayam (Full paper 8 pages) November 6-8.

Naveen G.P.A.N. and Krishnakumar G. (2012) In-vitro antioxidant activities of n-hexane extract of fruit & seed of *G. xanthochynensis*, National Conference on Biodiversity and Sustainability; present problems and future prospects, Kuvempu University, Shimoga, 5 & 6 March.

Krishnakumar G. Plants as source of Medicine, ICMR sponsored National Conference on Herbal Drug Development – A novel approach, Srinivas College of Pharmacy, Mangalore, 27-28th February.

Shruthakeerthi Raja S.B. and Krishnakumar G. "Structural studies in the low attitude forests of Western Ghats", National level Seminar on 'Biodiversity and Sustainability; present problems and future prospects', Kuvempu University, Shimoga, 5 – 6th March.

Jyothi Miranda and Krishnakumar G., "Pb²⁺ bioremediation efficiency of *oscillatoria laete-virens*", National Conference on "Algae and algal products" Sathyabama University, Chennai, 22-24th September 2011.

G.R. Rao, G. Krishnakumar, M.D. Subash Chandran, T.V. Ramachandra (2010) Last abodes of retic species in Uttarkannada – Sacred groves and their silent extinction – Lake 2010: Wetlands, Biodiversity and Climate change (Full paper 17 pages) IISc-Bangalore 22-24 December 2010

Krishnakumar G. (2010) Workshop on 'Pollination Ecology' Calicut University December 2010

Shruthakeerthiraja, Krishna Kumar. G and Sooryaprakash Shenoy(2009) Pb^{2+} bioremediation efficiency of *oscillatoria laete-virens* National Conference on "Algae and algal products" Sathyabama University, Chennai, 22-24th September 2011

Shruthakeerthiraja, Krishna Kumar. G and H. Gangadhara Bhat(2009), Monitoring the status of agroecology of Bantwal and Belthangady Taluks of Dakshina Kannada. An analysis based on multitemporal satellite Data and G/S techniques, National conference on Resource assessment and utilization at SDM College Ujire – October 2009.

Krishna Kumar G and H.S. Shenoy (2009), Diversity of *calamus* sp in Karnataka, National seminar on "Role of Biotechnology in Development of Herbal drug and conservation of Biodiversity" SDM college Ujire during January 24th and 25th

Shruthakeerthiraja, Krishna Kumar and Gangadhara Bhat (2009), Monitoring status of Agro economy of Bantwal and Belthangady Taluk of Dakshina kannada District- an analysis based on multitemporal satellite data and GIS techniques, National seminar on Assessment of Agro economic conditions using modern Techniques SDM college Ujire on 20-21 March

Krishnakumar.G. and Sooryaprakash Shenoy Biodiversity of *Garcinia* in Karnataka. Feb. 2007. National seminar on Biodiversity organized by Biodiversity Board - Bangalore

Regional

Invited / plenary talks delivered (list) (if applicable)

Impact of publications in terms of (Non-science faculty can leave out this item, if unable to fill up).

h-index	8
i10 index	7
Citation index	186

Membership of Professional Bodies

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

Any other Information

Co-ordinator M V Shastri Memorial Chair on Ayurveda and Sanskrit