

Curriculum Vitae

Dr. Y L KRISHNAMURTHY, M.Sc., Ph.D.

P.G. Dept. of Studies and Research in
Applied Botany, Jnana Sahyadri,
Kuvempu University, Shankaraghatta
Shimoga(Dist),Karnataka
PIN-577451

Tel :08282 256254
08182-256103
Cell-9845646821
E-Mail: murthy_ylk@yahoo.co.in

PERSONAL

Nationality India
Date of Birth 26th August 1963
Birth place Yelugere, India

EDUCATIONAL BACKGROUND

Course/Degree	Year		College/University
SSLC	1982		Govt. Junior College, Tarikere
B.Sc., (CBZ)	1989		Sahyadri Science College, Shimoga
M.Sc.	1991		Mysore University
SLET	1996		Govt. of Karnataka
Ph.D.	1997		Mysore University

CURRENT POSITION

Professor

P.G. Dept. of Studies and Research in
Applied Botany, Jnana Sahyadri,
Kuvempu University, Shankaraghatta -577451
Shimoga(Dist.),Karnataka,

PROFESSIONAL EXPERIENCE

2021-till date- Senior Professor:	Dept. of Applied Botany, Kuvempu University, Shankaragahatta
2011 to 2020 -Professor	: Dept. of Applied Botany, Kuvempu University, Shankaragahatta
2005 to 2011-Associate Professor:	Dept. of Applied Botany, Kuvempu University, Shankaragahatta
2000– 2005 Lecturer (Senior Scale):	Dept. of Appl.Botany, Kuvempu University, Shankaragahatta
1996 to 2000 Lecturer	Dept. of Appl.Botany, Kuvempu University, Shankaragahatta
1992 to 1996 Research Fellow	Dept. of Botany, University of Mysore, Mysore
Title of the Ph.D., Topic :	Biology and Control of Seed-borne Fungal Diseases of Soybean”

CURRENT RESEARCH INTEREST

Plant Biodiversity-survey, documentation and conservation, Fungal endophytes-
Enhancement of plant growth by incorporation of beneficial fungi and fungal
metabolite profiling, Exploration and characterization of lichens

AWARD/ RECOGNITION

1. Overseas Associateship Award- 2007-2008
Awarded by Department of Biotechnology, Govt of India to visit overseas lab (from
4th January 2009 to 5th July 2009 at Plant biology division, Samuel Roberts Noble
Foundation, Ardmore, Oklahoma, USA)
2. Best Poster Presentation Award at International Conference of Microbiology
(MICON-94) held at DFRL- Mysore, India.
3. Best Poster Presentation Award prize-I at Golden Jubilee National Conference on
Recent Trends in Plant Science Research held at Pala, Kottayam, Kerala, on Nov.
14-15, 2002.

COMPETITIVE RESEARCH GRANTS AWARDED

1. Project title: Floristic diversity of Bhadra Wild life Sanctuary, Karnataka
Funding Agency: Ministry of Environment and Forests, Govt. of India, New Delhi
Grant: Rs.6, 10,000(Completed)
2. Project title: Studies on macrolichen diversity of Chikmagalur and Shimoga district, Karnataka (completed)
Funding Agency: University Grants Commission, New Delhi
Grant: Rs. 5,18,000
3. Bio-Prospecting of Fungal endo-symbionts from species of *Cymbopogon* and *Cynodon* grasses from the areas of Central Western Ghats
Funding Agency: DBT, Govt. of India (Ongoing)
Grant: 38.92 Lakhs
4. Diversity and molecular phylogeny of folicolous Lichen of Western Ghats, India-
Funding agency-DST(ongoing), Grant 36.00 Lakhs
5. A study on ecology of herbaceous plant communities in montane grasslands of Kemmannugundi and Bababudengiri areas of Karnataka
Funding Agency: UGC, New Delhi (Ongoing)
Grant: 8.98 Lakhs

SOCIETY MEMBERSHIP

1. Indian Ecological Society, Jaipur
2. Indian Science Congress
3. Indian Society of Mycology and Plant Pathology, Udaipur

CONTACTS AND AFFILIATIONS

1. Centre for Ecological Sciences, Indian Institute of Sciences, Bangalore
2. Lichen Herbarium, National Botanical Research Institute, Lucknow
3. Field Museum, Lake shore drive, Chicago, USA
4. Noble Foundation, Ardmore, OK, USA

CONFERENCES/ WORKSHOP ATTENDED

1. Attended Workshop on "Biodiversity Information System" at IISc, Bangalore organized by Dept. of Environment and Forests, Govt. of Karnataka, 28-29 Nov.2000.
2. National Seminar on Medicinal Plants, 1997 held at Sahyadri College, Kuvempu University, Karnataka, and Feb.1997.
3. National Workshop on Wetland Management -1999. Dept. of Environmental Science, Kuvempu University, March 1999.
4. National Symposium on Seed pathology, 1995 held at Dept. of Applied

- Botany, Mysore University, Mysore, March, 23-25.
5. International Conference of Microbiology (MYCON-94), 1994, held at CFTRI, DFRI, Mysore, sponsored by AMI, 9, 12, Nov.1994.
 6. National Symposium on Biotechnological Innovations in Conservation and Analysis of Plant Diversity, held at INSA, New-Delhi organized by University of Delhi from 7-9 Feb, 2001.
 7. Golden Jubilee National Conference on Recent Trends in Plant Science Research on Nov.14-15, 2002 held at Dept. of Botany, St. Thomas College, Pala, Kottayam, Kerala.
 8. Train the trainers workshop (Globe program) held at Shimla , H P University, on 11 to 19th April, 2005 organized by Ministry of Environ. and Forestry, Govt. of India, and world GLOBE program.
 9. Global conference-II Plant health global wealth, Organized by Ind. Soc. of Mycology Pl. Pathology MPAU, Udaipur, Rajasthan from 25-29 November 2005.
 10. 26th Annual Conference and National level symposium on Advances in Fungal Diversity and Host Pathogen Interactions Held at Dept. of Botany, Goa University Panaji-during Oct'7-9-2004.
 11. 2nd Asian Congress of Mycology and Plant Pathology –'Microbial Diversity and Asian Prosperity' held at Dept. of Botany, Osmania University during Dec'19-22, 2007.
 12. 31st All India Botanical conference held at University of Allahabad, Allahabad. Dec-17-19, 2008.
 13. 32nd All India Botanical conference held at Kuvempu University, Shankaraghatta Dec-28 -30, 2009.

TRAINING/ORIENTATION AND REFRESHER COURSE ATTENDED

1. Induction Training Programme, 1997 held at Davanagere, Organized by Kuvempu University , Sept.12-15, 1997.
2. 28 days Orientation Programme, 2000 sponsored by UGC, held at Academic Staff College, Mysore, Mysore University, 21-06-2000 to 18-07-2000.
3. Refresher Course in Applied Botany, 2000 sponsored by UGC, held at Dept. of Applied Botany, Kuvempu University, From 16-10-2000 to 07-11-2000.
4. Refresher Course in Applied Botany, 2001 sponsored by UGC, held at Dept. of Applied Botany, Kuvempu University, From 15-10-2001 to 07-11-2001.
5. Train the trainers workshop (Globe program) held at Shimla , H P University, on 11 to 19th April, 2005 organized by Ministry of Environ. and Forestry, Govt. of India, and world GLOBE program.

ADMINISTRATIVE SERVICE RENDERED

Chairman-Dept. of Botany, Kuvempu university-2012 to 2014
Chairman- Dept. of Botany, Kuvempu university-2015 to 2017
Chairman- Dept. of Botany, Kuvempu university-2021 to 2023

Chairman- Board of Examination of M.Sc. Botany 2010-11,2015-2017,2019-2021,2024.

Coordinator-Directorate of Distance Education, Kuvempu University -2007-2009

Member- Library up gradation committee-2008-09, Kuvempu University

Member- Kuvempu University Alumni Association-2008

Director, IQAC, Kuvempu University-2023

PUBLICATIONS: RESEARCH PAPERS PUBLISHED IN REFEREED JOURNALS

Pusppavathi. D. and Y L Krishnamurthy.2024. Study on endolichenic fungi in *Parmotrema* and *Heterdermia* lichens of Shivamogga, Karnataka, Molecular Biology Reports,51:-549.

KM Manjunath, and YL Krishnamurthy .2023.The physicochemical and biological properties of novel silver nanoparticles synthesized by the extract of *Holigarna ferruginea*, App. Biol. Biotech.;11(3):229-237.

Pusphavathi. D and Y L Krishnamurthy.2023. Molecular characterization and Metabolite profiling of *Endomelanoconiopsis endophytica* E.I.Rojas & Samuels, an Endolichenic Fungal isolate, J.Mysopathological Res,61(4):481-487.

KM Manjunath, And YL Krishnamurthy.2022 In-vitro Assessment of Antibacterial and Electrochemical Properties of Methanolic Leaf Extracts of *Holigarna ferruginea* March. The Poisonous Plant Species in Western Ghats, Asian Journal of Biological and Life Sciences,

Srinivasa, S.G., Y.L. Krishnamurthy, K.S. Shrivankumar.2021. Diversity, ecology and molecular phylogeny of genus *Litsea* (Lauraceae) in Central Western Ghat areas of India. Tropical Ecology (2021) 62:644–652.

G.S.A. Rao & Y.L. Krishnamurthy (2021). Flowering plants of Agumbe region, central Western Ghats, Karnataka, India. *Journal of Threatened Taxa* 13(7): 18853–18867

Abhijit, H.U. & Y.L. Krishnamurthy (2020). *Capillipedium magdaleni* M.R.Almeida.: A new locality and Taxonomic treatment of a Rare, Endemic grass from Western Ghats area of Karnataka, India. Asian Journal of Conservation Biology. Vol. 8 (1): 171-172.

Abhijit, H.U. & Y.L. Krishnamurthy (2020). Grasses of Kundadri Hills in the Western Ghats of Karnataka, India. *Journal of Threatened Taxa* 12(5): 15619–15630.

Abhijit, H.U., Vishwajith, H. U., Kumaraswamy Udupa. E. S. & Y.L. Krishnamurthy (2020). Grasses of Soojigudda montane hill in Central Western Ghats of Karnataka. *My Forest* 56 (3): 87- 94.

Abhijit, H.U., Y.L. Krishnamurthy & K. Gopalakrishna Bhat (2021). The oat-like grass *Trisetopsis aspera* (Munro ex Thwaites) Röser & A.Wölk (Poaceae): a new record for the flora of central Western Ghats of Karnataka, India. *Journal of Threatened Taxa* 13(1): 17601–17603.

Abhijit, H.U. & Y.L. Krishnamurthy (2021). *Glyphochloa acuminata* (Hack.) Clayton var. *laevis* (Poaceae): a new variety from central Western Ghats of Karnataka, India. *Journal of Threatened Taxa* 13(11): 19636–19639.

Yogeesh Naik H.S. and Krishnamurthy Y.L. (2019). New Addition of Grass Species (Poaceae) to flora of Shimogga district Karnataka. *Plant archives*, 19(2).

Yogeesh Naik H.S. and Krishnamurthy Y.L. (2019). A taxonomic note on *Hubbardia heptaneuron* in Shivamogga district, Karnataka. *Plantasia* #17, In: *Zoo's Print* 35(3): 18–20.

Abhijit, H.U. & Y.L. Krishnamurthy (2019). Muraina grass: new distribution record of the endemic grass *Ischaemum kingii* in Karnataka. *Plantasia* #12, In: *Zoo's Print* 34(4): 19–21.

Abhijit, H.U. & Y.L. Krishnamurthy (2019). New distribution record of *Dimeria connivens* Hack. (Poales: Poaceae) and addition to the flora of Karnataka. *Plantasia* #13, In: *Zoo's Print* 34(6): 20–21.

Abhijit, H.U. & Y.L. Krishnamurthy (2019). *Capillipedium parviflorum* (R. Br.) Stapf. (Poaceae) - A new distributional record for flora of Central Western Ghats of Karnataka, India. *Asian Journal of Conservation Biology*. Vol. 8 (1): 93–94.

Nanda, A, H.M.Prakash, H.S.Suresh and Y.L.Krishnamurthy.2016.Canopy understory leaf phenology and seasonality in tropical dry forest, Southern India, *Advances in Forestry Letters*,5:1-16.

Srinivasa, S.G. and Y.L.Krishnamurthy, 2016. Distribution of *Litsea floribunda*, A dioecious tree species endemic to Western Ghats of India, *Indian Journal of Ecology*,43(1):224-228.

Avinash,K.S, H.S.Ashwini,H.N.Rameshbabu and Y L Krishnamurthy.2015.Antimicrobial potential of crude extracts of *Curvularia lunata*, an endophytic fungi isolated from *Cymbopogon caesius*, *Journal of Mycology*,2015:1-5.

Ashwini H S, K S Shrivankumar and Y L Krishnamurthy. 2014. Ecology and Phenology of plant communities of Gentianaceae in montane grasslands of Karnataka, southern India,*Tropical Plant Research*,1(3); 43-48.

Ashwini H S, Aruna K B, Srinivas S G and Y L Krishnamurthy. 2014. Grasses of Bababudengiri-Kemmanugundi montane highlands of Karnataka,India,*International Journal of Science and Nature*,5(4):684-688.

Ramachandra Naik M and **Y L Krishnamurthy**. 2012. *Xerophyte Caralluma stalagmifera* ver.*longipetala* (Asclepiadaceae): a new record to the Flora of Karnataka, India. *Journal of Threatened Taxa* 4(6):2656-2659.

Vinayaka K S, S. Nayaka, **Y L Krishnamurthy** and D K Upriti. 2012. A Report on Some Macro lichens New to Karnataka, India. *Journal of Threatened Taxa* 4(1):2318-

2321.

K S Vinayaka, S Shravanakumar, E S K Udupa and **Y L Krishnamurthy** 2011. Diversity of Epiphytic Lichens and Evaluation of Important Host Species Exploited by Them in Tropical Semi-Evergreen and Deciduous Forests of Koppa, Central Western Ghats, India, The Asian and Australasian Journal of Plant Science and Biotechnology, 5(1),62-64.

Ghimire, S. R., Nicki D Charlton, Jeremy Bell, **Y. L. Krishnamurthy**, K. D. Craven, 2011. Biodiversity of fungal endophyte communities inhabiting switchgrass (*Panicum virgatum* L.) growing in the native tall grass prairie of northern Oklahoma. Fungal diversity 47(1):19-27.

Vinayaka. K.S. and **Y.L. Krishnamurthy, 2011**. Ecology and distribution of lichens in Bhadra wild life sanctuary in central Western Ghats, Karnataka, India. Bioremediation, Biodiversity and Bioavailability 5(1):58-72.

Nanda. A, H. M., Prakash and Y.L. Krishnamurthy, 2011. Leafing pattern and seasonality at community level in a tropical dry deciduous forest of Bhadra wild life sanctuary, southern India. Tree and Forestry science and Biotechnology 5(1):82-87.

Vinayaka K. S., **Y. L. Krishnamurthy** and S Nayaka, 2010 . Macrolichen flora of Bhadra wild life Sanctuary, Karnataka, India. Annals of Forestry 18(1):81-90.

Krishnamurthy, Y. L., H. M. Prakasha, A. Nanda., M. Krishnappa, H. S. Dattaraja, and H. S. Suresh, 2010. Vegetation structure and floristic composition of a tropical dry deciduous forest in Bhadra Wild life sanctuary, Karnataka, India. Tropical Ecology 51(2):235-246.

Nanda, A., H. M. Prakasha, **Y. L. Krishnamurthy** and H.S.Suresh, 2010. Phenology of a tropical dry forest: Study from Bhadra wild life sanctuary, Karnataka, peninsular India. Indian Journal of Forestry 33(2):167-172.

Shankarnaik, B.,J.Shashikala and **Y.L.Krishnamurthy**, 2009. Study on the diversity of endophytic communities from rice (*Oryza sativa*) and their antagonistic activities *in vitro*. Microbiological Research _164:290-296.

Krishnamurthy, Y. L., J. Shashikala & B. Shankarnaik , 2009. Diversity and seasonal variation of endophytic fungal communities associated with some medicinal trees of Western Ghats, Southern India, Sydowia 61: 255-266.

Krishnamurthy, Y. L., H. M. Prakasha and A. Nanda , 2009. Floristic diversity of Bhadra wildlife sanctuary in the central Western Ghats region, Karnataka. The Indian Forester 135(10): 1397-1406.

Vinayaka, K.S., **Y. L. Krishnamurthy** et al., 2009. Larvicidal and wormicidal efficacy of methanolic extracts of five macrolichens collected from Bhadra wildlife sanctuary. Biomedicine 29(4):327-331.

Shankarnaik, B., J. Shashikala, **Y.L. Krishnamurthy**, 2008. Diversity of fungal endophytes in shrubby medicinal plants of malnad region, Western Ghats, Southern India. Fungal Ecology 1:89-93.

Shankarnaik, B., J. Shashikala and **Y. L. Krishnamurthy, 2008.** Host Growth characteristics influenced by seed inoculation with microorganisms. World Journal of Agricultural Sciences 4(s): 891-895.

Krishnamurthy Y.L. and B.Shankarnaik, 2008. Fungal Communities in Herbaceous Medicinal plants from Malnad region, Southern India. Microbes and Environments 32(1):24-28.

Krishnamurthy, Y. L. and J. Shashikala, 2008 Antifungal Potential of Some natural products against *A. flavus* in Soybean seeds during storage. Journal of Stored Products Research 44: 305-309.

Prakasha, H. M., A. Nanda and **Y.L. Krishnamurthy, 2007.** Tree Species Composition, Diversity and Dominance along a Disturbance Gradient in Tropical Dry Deciduous Forests of Bhadra Sanctuary. Ind.J Ecology 34(1): 8-14.

Prabhushankar, H.R., **Y.L.Krishnamurthy** and R. L. Ravikumar, 2007.Genotypic Variation for in vitro Pollen Germination and Vigour in Cotton. J.Indian Soc. Cotton Improv. 32(1) :59-64.

Archana, D.C. and **Y.L. Krishnamurthy, 2006.** Screening for mycorrhizal association in some host species of family Asteraceae. J. Ecobiology 19(3): 247-252.

Krishnamurthy, Y.L. and J. Shashikala, 2006. Inhibition of aflatoxin B1 production of *A. flavus*, isolation from soybean seeds by certain natural plant products. Letters in Applied Microbiology 43: 469-474.

Shashikala J, **Y L Krishnamurthy** and B. Shankarnaik, 2006. Production of aflatoxin by different *Aspergillus flavus* isolates on raw and cooked soybeans, Plant Disease Research 21(1):217-218.

Madhukeshwara, S.S., S.G. Mantur, **Y.L. Krishnamurthy** and H.N. Ramesh babu , 2004. Control of Blast (*Pyricularia grisea* (Cke.) sacc) of finger millet (*Eleusine coracana* (L.) Gaertn) by Fungicides. Environment and Ecology 22 (4): 824-826.

Madhukeshwara, S.S., S.G. Mantur., **Y.L. Krishnamurthy** and H.N. Ramesh babu, 2004. Evaluation of Finger millet germplasm for resistance to Blast disease. Environment and Ecology 22 (4): 832-834.

Krishnamurthy, Y.L. et al., 2005. Direct and indirect organogenesis through blubli explants culture of *Curculigo orchioides* Gaertn. Adv. Plant Sci. 18 (1) : 305-310.

Prabhushankar,H.R.,**Y.L.Krishnamurthy** and R.L. Ravikumar, 2005. Standardization of in vitro pollen germination in Cotton (*G. hirsutum*). J. Indian Soc. Cotton Improv. 166-169.

Shashikala,J. and **Y.L. Krishnamurthy, 2005.** Growth pattern and colony characteristics of *A.flavus* isolates from Soyabean seeds. J. Mycol. Pl. Pathol., 35(2) : 228-232.

Krishnamurthy Y.L., and T.V. Hemalatha, 2003. Isolation of endophytic fungi from

some grasses. J. Mycol. Pl. Pathol. 33(2) : 305-306.

Krishnamurthy Y.L., and K.A. Raveesha, 2001. Seed-borne nature and location of *Cladosporium cladosporides* in Soybean. Plant Dis. Research 16 (2) : 203-209.

Krishnamurthy Y.L., and K.A. Raveesha, 1996. Seed Mycoflora of Soyabean in Karnataka. Plant Dis. Research 11(1) : 78-82.

Krishnamurthy, Y.L. and K.A. Raveesha, 1996. Histopathology of Soybean seed infected with *A.flavus*. Seed Research 24(6) : 129-134.

b. **Books / Chapters** (Title of Book/ Chapter, Author & Co-authors, Volume, Year of publication and Page Numbers)

Sl. No.	Title of the Book	Name(s) of the author/ Co- author	Publisher	Volume	Year and Page Number/s
01	Forest Biodiversity(Book) chapter Vegetative phenology of tropical dry deciduous forest of Bhadra Wild Life Sanctuary	A. Nanda, H M. Prakasha and Y.L. Krishnamurthy	Edited by K Muthuchelian; S Kannaiyan and A Gopalam, Associated Publishing Company, New Delhi, ISBN : 81-85211-76-0	1	2008
02	Forest Biodiversity(Book) chapter Comparative analysis of tree species composition, diversity and dominance along a disturbance gradient in tropical dry deciduous forests of Bhadra Wild Life Sanctuary	H M. Prakasha ,A. Nanda, and Y.L. Krishnamurthy	Edited by K Muthuchelian; S Kannaiyan and A Gopalam, Associated Publishing Company, New Delhi, ISBN : 81-85211-76-0	1	2008
03	Plant DNA Bar Coding and Phylogenetics	R M Naik, Y L Krishnamurthy and S Karupaswamy	Editors M ajmal Ali, G Gyulai and F Al Hemaïd. Publisher LAMBART Academic Publishing, GmbH, Germany	1	2015 pp 255-267

04	Endophytes: Crop productivity and Protection	Endophytic Fungi Bioremediation	Springer International publishers Editors; D K Maheshwari and K Anupama DOI:10.1007/978-3-319-66544-3_3	2	2017 Pp 47-60
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The above said particulars are true and correct to the best of my knowledge.

(Y L KRISHNAMURTHY)

