Name : **K.R. CHANDRASHEKAR**

Designation : **Professor**

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Date of Birth : 26th April 1957

Academic Qualifications:

Degree	Subjects	University	Year	Class
B.Sc.	Botany, Zoology and Chemistry	Mysore	1979	I (69%)
M.Sc. *	Biosciences	Mysore	1981	I (64%) III rank
Ph.D. **	Biosciences	Mangalore	1988	
Cert. Course	German Language	Mangalore Max. Muller Bhavan	1985	1985 I (68%)

* At M.Sc. level the courses like Biochemistry, Biophysics, Cell biology, Biometrics, Molecular biology, Genetics, Microbiology, Comparative physiology and Hydrobiology were offered.

** Title of the Thesis: Some Aspects of Water-borne fungi and their enzymes

Experience:

Teaching: 29 years in the P.G. Department of Applied Botany

Research:

- Guided 13 students for Ph.D and 5 students for M.Phil.
  Currently 6 students are working for Ph.D.

- Publications: Over 90 research papers in the journals of National and International repute
- Executed Eleven Major Research projects worth of about Rs260 lakhs Funded by DST, UGC, Ministry of Environment and Forests, BRNS and KIOCL

- Currently, operating One Major Research Project worth more than Rs. 25 lakhs funded by DST, New Delhi, India.

- Instrumental in getting recognition to the Dept. as Center of Excellence.

Administrative Experience:

- Chairman- Department of Applied Botany (2006-2012) and (2016-2017)
- Director - Admission Cell (2012 onwards)
- Director – IQAC (2017 onwards)
- Director: International Student Center (2012 -2015)
- Coordinator- MV Shastry Chair (1996 onwards)
- Chairman – Malpractice Enquiry Committee (2015 onwards)
- Academic Council member (2010-2012),
- Faculty member (1996 onwards)
- Served as Chairman of Affiliation (LIC) committees, Enquiry committees, Admission committees, etc as assigned by the University.
- Served as member in various committees such as Student Advisory, Library advisory, Microtron and CARRT advisory committees, Animal Ethical Committee,
- Organized several seminars / conferences and workshops. Including workshop on IPR, National Science Day lectures etc.

Corporate life / extension:

- General Secretary of Mangalore University Teachers Association during 1996-97.

Honors/Awards:

- INSA Visiting Fellowship -1995
- Association of Commonwealth Universities Development Fellowship- 2004
- Center for Excellence Award- 2011 by Vision Group on Science and Technology, Dept. of IT, BT and S & T, Govt. of Karnataka

Research Guidance:

Ph. D. degrees awarded under the Supervision:

Sl. No	Name of the candidate	Title of the Research topic	Year
1	M.JayakaraBhand	Indigenous plant - based knowledge systems and	2001

	ary	conservation practice in the coastal districts of Karnataka	
2	Shobha	Effect of salinity stress on germination and enzyme activities in different varieties of*V. Unguiculata*(L.) Walp seeds	2004
3	J. GanapathiBhat	Ethnomedicobotany of Naika tribes of Dakshina Kannada district of Karnataka and their clinical evaluation in sarpasuttu	2005
4	B.K.Vasanthraj	Dipterocarps of the Western Ghats with special reference to Rhizospheremycoflora	2007
5	Chethan Kumar	Response of medicinal plants *Sidacordifolia* L. and *Solanumnigrum*toinoculation of AM fungi and PGPRMs	2011
6	Syed Hidaythulla	Antioxidant, Antimicrobial and Antidiabetic activities of certain phytochemicals of western Ghat Plants	2012
7	Bhagya N	*In vitro* culturing and production of bioactive compounds from *Justiciagendarussa* L. and *Cycleapeltata*	2013
8	Vinayachandra	Storage, viability, biochemical and pharmacological studies on *Knemaattenuata*(Hook. F. &Thoms.) Warb., an endemic species of Western Ghats	2013
9	Sukesh	Mycorrhizal association with Depterocarps of Western Ghats and their molecular systematics	2015
10	Akshatha	Germination studies with reference to physic-chemical parameters and phytochemical screening of certain species of Western Ghats	2015
11	Sana Sheik	Bioactive potential of a few selected medicinal endemic plants of Western Ghats and their associated fungal endophytes.	2016
12	PadmayaNaika	Studies on growth, floral biology, flowering behavior and yield of cashew (*Anacardiumoccidentale* L.) cultivars under coastal regions of Karnataka	2017

M.Phil. degrees awarded under the supervision:

Sl. No.	Name of the candidate	Title of the Dissertation	Year of award
1	S. Sandhya Rani	Biochemical differences in *Alysicarpusvaginalis*(L.) DC. and *Crotalaria striata*DC. growing in saline and non saline habitats	1991
2	M.JayakarBhandary	Ethnobotanical studies on Siddi and Gowli tribes of Uttara Kannada District, Karnataka	1993
3	H.S. Muralikrishna	Studies on viability and germination of the seeds of *Hopeaparviflora*Beddome and *Hopeaponga*(Dennst.) Mabberley	1994
4	Roy Mathew	Activities of certain enzymes in the germinating seeds of *Crotalaria striata*DC. under saline stress	1996
5	RajeshwariSutar	*In vitro* studies on NaCl - tolerant callus of *Vignaunguiculata*(L.) walp	1997

Scholars working for Ph.D.:

1	Arun Kumar	Ecology and bioprospecting of *Polyalthiafragrans*, an endemic species of Western Ghats	2013
2	Manasa	Micropropagation and phytochemical studies of *Tabernaemonatanahyeneana*	2013
3	Vivek M. R.	Studies on *Myristicafatua* ver. magnifica (Beddome) Sinclair, an endemic plant of Western Ghats	2015
4	Mohammed Haneef K A	Phonology, phytochemical and pharmacological studies of *Pterospermumrubiginosum*Heyne and *Pterospermumrerticulatum* Wt. &Arn., endemic plants of Western Ghats	2015
5	Shri Krishna GanarajaBhat	Structure and composition of Mailakote and Bantaje forests of Western Ghats	2016
6			
7			

Post Doctoral Fellows associated:

Dr. Bhagya N, UGC-PDF working on screening for anticancer potential of the characterized active principle from the selected plants and to understand the mechanism of action of the active principle to bring about apoptosis in cancer cells.

Field outreach activities:

- As a coordinator of Ayurveda Bhushana M.V. Shastry Memorial Chair, a herbal garden has been established in the University campus in an area of about one hectare. About 400 medicinal plants belonging to 120 species are being maintained. The garden is being visited by PG students of Botany and Ayurvedic students.

- Developed an Arboretum of (RET) Rare, Endemic and Threatened plants of Western Ghats in an area of about 02 acres on the Mangalore University Campus. About 70 species belonging to RET category have been planted and being maintained.

- A gamma garden of plants obtained from the seeds treated with different doses of gamma radiation has alsobeen established for the evaluation of long term effects of radiation on plants. About 17 species of local plants are used in this experiment.

Served as Chairman/Member of BOS in:

Applied Botany (PG) Mangalore University (1995 onwards)
Microbiology (UG) Bangalore University (1997-2000)
Botany (PG) Kannur University (2000-2003)

Micrbiology (P.G.) Kannur University (2003-2005)
Botany (UG & PG) Davanagere University (2012 -2015)
Botany (PG) Bangalore University (2015 onwards)
Botany (PG) Dharawad University (2010-2013)
Botany (PG) Goa University (2015 onwards)
Applied Botany (PG) KuvempuUniversity (2016 onwards)

Examination related assignments:

As Chairman:

BOE in Applied Botany (PG) Mangalore University (2006 to 2012 and 2016-2017)
BOE in Microbiology (PG) Mangalore University (2002)
BOE in Microbiology (UG) Mangalore University (2001)
BOE in Botany (PG) Kannur University (1999 onwards)
BOE in Botany (UG) Kannur University (1999)
BOE in Biotechnology, Tumkur University (2012-13)

As Member:

BOE in Applied Botany (PG) Mangalore University (1990 onwards)
BOE in Botany (PG) Karnataka University (1999-2004)
BOE in Microbiology (PG) Mangalore University (1987 to 2001)
BOE in Microbiology & Biotechnology (PG) Bangalore University (1998 to 2000)
BOE in Microbiology (PG) Kuvempu University (2002-2003 and 2017-2018)

BOE in Botany (PG & UG) Kannur University (1996, 1999)
BOE in Wood Science & Forestry (UG) Kannur University (2001-2004)
BOE in Biotechnology (UG) Mangalore University (2002)

As Ph.D. Examiner

Bharathiar University, Coimbatore
Kerala University, Thiruvananthapuram
Mahatma Gandhi University, Tiruchirappalli,
Calicut University, Kerala,
Osmania University, Hyderabad,
Tirupathi University, Andhra Pradesh,
Pune University, Maharastra,
Bundhelkhand University,
Kuvempu University, Karnataka University, Gulbarga Univesity, Bangalore University, Mysore University, Jain University, Dharwad University

Research Projects

Completed

Title of the project	Funding Agency	Amount	Duration
Studies on the stress physiology of selected plants growing near Mangalore coast	UGC	Rs. 10,500/-	2 years from Sept.1990
Impact of mining and Iron-rich soil on the pattern of vegetation and microflora	DOEN	Rs.10,83,520/-	4 years from March 1992
Studies on the conservation of Biodiversity &ecorestoration of mined areas of KIOCL	KIOCL	Rs.50,00,000/-	5 years from April 1995
Studies on Regeneration &Ecophysiology of Dipterocarps of the Western Ghats of Karnataka	UGC	Rs.7,00,000/-	3 years from1998
Ethnobotanical studies of the coastal Districts of Karnataka	DST	Rs.12,00,000/-	3 years from Nov. 2002
Improvement of germination of seeds of certain endemic species of Western Ghats and development of mutant Jasmine seedlings through irradiation treatment	BRNS	Rs.12,00,000/-	3 years from Nov. 2008
Seed germination and establishment of seedlings of Endemic Dipterocarps of Western Ghats - Role of Mycorrhizae and nutrients	UGC	Rs.7,00,000/-	3 years from Nov. 2008
Effect of gamma radiation on storage, viability and germination of seeds and relative growth rate and tolerance of seedlings of some endemic plants of Western Ghats	BRNS, Mumbai	Rs. 40,00,000/-	April 2010, 4 years
Studies on Endemic and RET species Conservation and bioprospecting	DST, Govt. of Karnataka	Rs. 60,00,000/-	July 2011, 3 years
Biochemical and pharmacological activities of Myristicaceae	UGC	Rs. 11 lakhs	April 2013 3 years
Exploration of biodiversity of 3 villages in Dakshina Kannada District	KSBB	Rs. 6 lakhs	2013

Field trials of radiation assisted accelerated germination of seeds of endemic forest plants	BRNS, Mumbai	Rs. 24.81 lakhs	July 2014, 3 years

Ongoing Research Projects

Sl No.	Title of Project	Funding Agency	Amount	Date of sanction and Duration
1	Isolation and characterisation of antidiabetic compound from *Naregamiaalata*	DST, New Delhi	Rs. 25.0052 lakhs	March 2017, 3 years

Papers published

1. Manasa. D. J, ChandrashekarK.R., Bhagya. N. (2017). Rapid invitrocallogenesis and phytochemical screening of leaf, stem and callus of *Musseandafrondosa* Linn.- a medicinal plant, Asian J. Pharm. Clin Res., 10(6): 81-86.

2. Madhu Kumar D. J., Jagadeesh Prasad D., Chandrashekar K R., Sana Sheik, Kumar C., NaikP. (2017). Synthesis, Antimicrobial and Anthelmintic Activity Studies of Some Novel Triazole Schiff and Mannich Bases , Der PharmaChemica, , 9(12):163-171

3. Arunkumar K., Chandrashekar K. R. (2017).Phytochemical evaluation and in vitro antimicrobial and antioxidant studies of leaf and stem bark extracts of *Polyalthiafragrans* (DALZ.) BEDD.–an endemic species of Western Ghats. Int J Pharm PharmSci, 9(8): 19-24.

4. Viveka M R, Chandrashekar K R. (2016). Antioxidant and antibacterial activities of *Myristicafatua* var. magnifica (Beddome) Sinclair. Asian Journal of Pharmaceutical and clinical research, 9 (4): 235-239 (ISSN: 2455-3891).

5. Bhagya N, Chandrashekar K R. (2016). *Cycleapeltata*: secondary metabolites and pharmacological potential. In: "Ethnomedicinal Plants – Phytochemistry and Pharmacological Profile", Eds (Dr. H P Sharma&Paras Jain),Vol. 1, Agrobios (International), Pg: 167-182.

6. Bhagya N, Chandrashekar K R. (2016). Tetrandrine - A molecule of wide bioactivity. *Phytochemistry,* 125: 5-13. (ISSN: 0031-9422, IF: 2.547).

7. Prakash S. Nayak, BadiadkaNarayana, Jennifer Fernandes, Balladka K. Sarojini, Sana Sheik, Kenkere S. Shashidhara, Chandrashekar K. R., ByrappaK. (2016). Synthesis & Characterization of 2-(Substituted-Phenyl) AcetohydrazideAnalogs, 1, 3, 4-Oxadiazoles,

and 1,2,4-Triazine Ring Systems: A Novel Class of Potential Analgesic and Anti-Inflammatory Agents. Letters in Drug Design & Discovery, 12:1

8. Manasa. D. J, Chandrashekar K. R. (2015). Antioxidant and antimicrobial activities of *Tabernaemontanaheyneana*Wall. an endemic plant of Western Ghats. Int J Pharm PharmSci,, 7(7): 311-315.

9. Janet Goveas, Khader A. M. A., Kalluraya B., Sana Sheik, Chandrashekar K. R. (2015). Synthesis, Characterization and Biological Activity of Triazolothiadiazines Bearing 2H-1,4-benzothiazin-3(4H)-one moiety. *Der PharmaChemica*, 7: 248-255

10. Swaroop K, Sana Sheik, Chandrashekar K R, Somashekarappa H M (2015). Antibacterial studies of gamma irradiated zinc oxidenanoparticles on *Klebsiella pneumonia* and *Pseudomonas aeruginosa*, IOSR Journal of Applied Physics, 7: 58-63.

11. VidyashreeJois H S, BalakrishnaKalluraya, Babu M, Bhagya N, Chandrashekar K R (2015). Microwave assisted synthesis and biological activity of 4-(2-(aryl substituted) hydrazono)-1-(2-(p-tolyloxyacetyl)-3-methyl-1h-pyrazol-5-one. *Indian Journal of Heterocyclic Chemistry*, 25: 07-10.

12. Sana Sheik, Chandrashekar K.R.,Swaroop K., Somashekarappa H.M. (2015). Biodegradation of gamma irradiated low density polyethylene and polypropylene by endophytic fungi, *International Biodeterioration& Biodegradation* 105: 21-29

13. Prakash S Nayak, Balladka K Sarojini, Sana Sheik, K. S Shashidhara, K. R Chandrashekar, BadiadkaNarayana. (2015). Design, synthesis, molecular docking and biological evaluation of imides, pyridazines derived from itaconic anhydride for potential antioxidant and antimicrobial activities Journal of Taibah University for Science DOI: 10.1016/j.jtusci.2014.09.005 (ISSN: 1658-3655)

14. Janet Goveas, Khader A. M. A., Kalluraya B., Sana Sheik, ChandrashekarK. R. (2015). Synthesis, Characterization and Biological Activity of Triazolothiadiazines Bearing Naphthyloxyethyl Moiety. *Indian J. Heterocycl. Chem.* 24: 299-304 (ISSN: 0971-1627)

15. Bhagya N, Chandrashekar K.R. (2015). In vitro development of meristamaticcentresin *Cycleapeltata* – A pharmaceutically important Plant, *J. Herbs, Spices, Med. Plants*. 21:372–379(ISSN: 1049-6475)

16. Sana Sheik and Chandrashekar K. R. (2014). Antimicrobial and antioxidant activities of *Kingiodendronpinnatum* (DC.) Harms and *Humboldtiabrunonis*Wallich: endemic plants of the Western Ghats of India, J. Natn. Sci. Foundation Sri lanka, 42(4): 307-313

17. Vinayachandra and Chandrashekar K. R. (2014). Phenolic contents of *Knemaattenuata* fruits and their bioactive potential. *J. Herbs, Spices, Med. Plants*, 20(2): 183-195 (ISSN: 1049-6475)

18. Akshatha and Chandrashekar K.R (2014). Gamma sensitivity of forest plants of Western Ghats. *J. Environ. Radioactiv.*132: 100-107(ISSN: 0265931 X, IF: 2.119)

19. Sukesh, Kavya, Samhitha Sharma M and Chandrashekar K. R. (2014). Inoculation Effect of ArbuscularMycorrhizal fungi on the Growth of *Vaticachinensis* L. - A Critically Endangered Species of Western Ghats, *Trees*, 28: 381-388 (ISSN: 0931-1890, IF: 1.925)

20. Sukesh and Chandrashekar K. R. (2013). Effect of temperature on viability and biochemical changes during storage of recalcitrant seeds of *Vaticachinensis* L. *Int. J. Bot.*, 9(2): 73-79 (ISSN: 18119700, 18119719)

21. Bhagya N, Chandrashekar K.R. and Balakrishna Kalluraya (2013). Identification of a rare phytosteroid from *Justiciagendarussa* L. *Chem. Nat. Comp.*, 49 (5): 972-973. (ISSN: 0009-3130 (Print), 1573-8388 (Online), IF: 0.599)

22. Akshatha, Chandrashekar K. R., Somashekarappa H. M., Souframanien J. (2013). Effect of gamma irradiation on germination, growth, and biochemical parameters of *Terminaliaarjuna*Roxb.,*Radiat Protect Environ*, 36 (1): 37-43. (ISSN: Print -0972-0464, Online - 2250-0995)

23. Bhagya N, Chandrashekar K. R., Anitha Karun, Bhavyashree U (2013). Plantlet regeneration through indirect shoot organogenesis and somatic embryogenesis in *Justiciagendarussa*Burm. f. a medicinal plant. *J Plant BiochemBiotechnol.*, DOI 10.1007/s 13562-012-0177-3, 22 (4): 474 – 482 (ISSN: 0971-7811 (Print) 0974-1275 (Online), IF: 0.414)

24. Akshatha, Chandrashekar K.R (2013). Effect of gamma irradiation on germination growth and biochemical parameters of *Pterocarpussantalinus*, an endangered species of Eastern Ghats, *Euro. J. Exp. Bio.,* 3(2): 266-270(ISSN: 2248-9215)

25. Sana Sheik, Chandrashekar K. R. (2013). *In vitro* antimicrobial, antioxidant, antiarthritic and phytochemical evaluation of *Pscychotriaflavida* Talbot, an endemic plant of Western Ghats, *Int J Pharm PharmSci* . 5(1): 214-218 (ISSN: 0975-1491, IF: 1.59)

26. Bhagya N, Chandrashekar K.R. (2013). Effect of growth regulators on callus induction from *Cycleapeltata* (Lam.) Hook. F. Thoms., *Asian J. Pharm. Clin. Res.*6(4): 85-88. (ISSN: 0974-2441, IF: 0.7)

27. Bhagya N, Chandrashekar K.R. (2013). *In vitro* production of bioactive compounds from stem and leaf explants of *Justiciagendarussa*Burm. f., *Asian J. Pharm. Clin. Res.* 6(1): 100-105 (ISSN: 0974-2441, IF: 0.7)

28. Bhagya N, Chandrashekar K.R. (2013). Evaluation of plant and callus extracts of *Justiciagendarussa*Burm. f. for phytochemicals and antioxidant activity, *Int J Pharm PharmSci* 5(2): 82-85 (ISSN: 0975-1491, IF: 1.59)

29. Bhagya N, Chandrashekar K.R. (2013). Effect of auxins with cytokinins on stem and leaf explants of *Justiciagendarussa*Burm. f. *IJLST* 6(1): 1-8 (ISSN: 0974-5335)

30. Naik P A, Chandrashekar K R and Lakshmana (2013). Studies on growth parameters of Cashew cultivars in coastal region of Karnataka, *The Cashew and CocoaJournal*, July – September: 21-25

31. Naik P A, Chandrashekar K R and Lakshmana (2013). Studies on flowering and yield parameters of cashew cultivars in coastal region of Karnataka, *The Cashew and Cocoa Journal*, April – June: 21-25

32. Bhagya N., Chandrashekar K.R., Muralidharan K., Amarnath C.H. (2012). Phytochemical analysis and antioxidant activity of *in vitro* cultured stem callus of *Cycleapeltata* (Lam.) Hook. f. &Thoms. *J. Trop. Med. Plants.* 13(2): 117-122(ISSN: 1511-8525)

33. Lobo P.L., Poojary B., Kumsi M., Vinaya Chandra, Kumari N.S., Chandrashekar, K.R (2012) Synthesis, antimicrobial and antioxidant activities of 2-[1-{3, 5-diaryl-4, 5-dihydro-1H-pyrazolenyl}]-4-(4-nitrophenyl)-[1,3]-thiazoles, *Medicinal Chemistry Research*, DOI 10.1007/s00044-012-0154-3. (ISSN: 1054-2523 (Print) 1554-8120 (Online), IF: 1.612)

34. SeranthimataSamshuddin, BadiadkaNarayana, BalladkaKunhannaSarojini, RajagopalanSrinivasan, Vinayachandra and Chandrashekar K. R., (2012) Synthesis, characterization and biological evaluation of some pyrazolesderived from *α,β*-dibromo 4,4'-difluoro chalcone, *Der PharmaChemica***,** 4 (2): 587-592 (ISSN: 0975-413x)

35. Sowmya G. Shetty, Vinayachandra, SayedHidayathulla and Chandrashekar K R (2011). Antimicrobial activity and phytochemical screening of *Pterospermumreticulatum* Wight &Arn. International Journal of Pharmacy and Pharmaceutical Sciences. 3 (5): 35-37 (ISSN: 0975-1491, IF: 1.59)

36. Vinayachandra, Shwetha R, Chandrashekar K R (2011). Larvicidal activities of *Knemaattenuata* (Hook. f. & Thomson) Warb. (Myristicaceae) extracts against *Aedesalbopictus*Skuse and *Anopheles stephensi* Liston. *Parasitol Res*.109 (6): 1671-1676 (ISSN: 0932-0113 (Print) 1432-1955 (Online), IF: 2.852)

37. Sukesh, SayedHidayathulla, MuhammedHaneef, Arunkumar K and Chandrashekar K R (2011). Phytochemical evaluation, antioxidant and antibacterial activity of seed wings of *Hopeaponga* (Dennst). Mabberly. *Journal of Pharmacy Research*, 4(8): 2793-2595 (ISSN: 0974-6943)

38. Vinayachandra, Chandrashekar K R (2011). Seed storage behavior of *Knemaattenuata,* an endemic species of Western Ghats, India. *J Forest Res*, 22(4):611-614 (ISSN: 1007-662X (Print), 1993-0607 (Online))

39. Bhagya N and Chandrashekar K. R. (2011). Further research on callus induction and organogenesis in *Cycleapeltata*. *J. Trop. Med. Plants*. 12(1): 53-58 (ISSN: 1511-8525)

40. Bhagya N, Sana Sheik, Samhitha Sharma M, Chandrashekar K R (2011). Isolation of Endophytic*Colletotrichumgloeosporioides*Penz. from*Salaciachinensis* and its Antifungal Sensitivity. *Journal of Phytology*, 3(6): 20-22. (ISSN: 2075-6240)

41. Vinayachandra, K. R. Chandrashekar, H.S. Shenoy and Ganesh Sanjeev (2011). Effect of Electron Beam Irradiation on *Knemaattenuata* (hook. F. & Thomson) warb. Seeds – Storage, Viability and Biochemical changes *ARPN J.Agri. Biol. Sci.*, 6(8)38-42 (ISSN: 1990-6145)

42. Bhandary M. J. and Chandrashekar K. R. (2011). Herbal therapy for herpes in the ethno-medicine of Coastal Karnataka. *Ind. J. Trad. Knowledge*, 10(3): 528-532 (ISSN 0972-5938 (Print), 0975-1068 (Online), IF: 0.492)

43. Chethan Kumar, Sukesh and Chandrashekar K. R. (2011). Inoculation effect of different arbuscularmycorrhizal. fungi on growth of *Sidacordifolia* L. *J. Agri. Technol.* 7(5) 2119-2126 (ISSN: 1686-9141)

44. Sukesh and Chandrashekar K R (2011). Biochemical Changes during the Storage of Seeds of*Hopeaponga* (Dennst.) Mabberly: An Endemic Species of Western Ghats *Research Journal of Seed Science,* 4(2): 106-116 (ISSN: 1819-3552)

45. Syed Hidayathulla, Keshava Chandra K and Chandrashekar K. R (2011). Phytochemical evaluation and antibacterial activity of *Pterospermumdiversifolium*Blume. *International journal of Pharmacy and Pharmaceutical Sciences,* 3(2):165-167. (ISSN: 0975-1491, IF: 1.59)

46. Syed Hidayathulla, Chethan Kumar K.V. and Chandrashekar K. R (2011). Phytochemcial screening, *in vitro* antibacterial activity and identification of antibacterial components in leaf extracts of S*apium insigne* (Royle) Benth. ex Hook. f. *Journal of Pharmacy Research*, 4(1), 90-92 (ISSN: 0974-6943)

47. Sukesh, Chethan Kumar K.V. and Chandrashekar K. R. (2010). AM fungi and phosphatase activity associated with Dipterocarps of Western-Ghat forests, India.*Kavaka* 37& 38: 61-65 (ISSN: 0379-5179)

48. Bhagya N and Chandrashekar K.R. (2010). Effect of auxin concentration on callus induction from *Justiciagendarussa* L. stem and leaf explants. *International Journal of BioSciences and Technology* 3: 27-35 (ISSN: 0974-3987)

49. Chethan Kumar, Sukesh and Chandrashekar K.R. (2010). Impact of different AM fungi on growth of *Solanumnigrum* L. *International J. Appl. Agri. Res*. 5: 479-482 (ISSN:0973-2683 (Print), 0974-4754 (Online))

50. Shobha. D. and Chandrashekar K.R. (2009). ArbuscularMycorrhizal Fungi and Salinity stress in crop plants. In: Frontiers in fungal Ecology, Diversity and Metabolites (Ed. K. R. Sridhar). International Publishing House Pvt. Ltd. New Delhi. 151-159

51. ShilpaBhat, Sonia Mercy Lobo, Chethan Kumar K. V., Sukesh and Chandrashekar K. R. (2009). Antimicrobial spectrum and phytochemical study of *Hopeaparviflolia*Beddome Saw Dust Extracts. *Journal of Phytology* 1: 469-474 (ISSN: 2075-6240)

52. Chethan Kumar K. V., Chandrashekar K. R. and Lakshmipathy R. (2008). Variation in arbuscularmycorrhial fungi and phosphatase activity assosiatedwith *Sidacordifolia* in Karnataka. *W.J. of Agricultural Sciences* 4: 770-774 (ISSN 1817-3047)

53. Chethan Kumar K. V., Chandrashekar K.R. and Balakrishna A. N. (2007). Arbuscularmycorrhizal activity in *Solanumnigrum* in different regions of Karnataka. *Asian Jr. of Microbial. Biotech. Env. Sc.* 9: 633-635 (ISSN: 0972-3005)

54. Vasanthraj B.K. and Chandrashekar K. R. (2006). Analysis of the structure of Charmady Reserve Forest, India. *Tropical Ecology*. 47: 279-290 (ISSN: 0564-3295)

55. Vasanthraj B.K., Shivaprasad P.V. and Chandrashekar K.R. (2005). Studies on the structure of Jadkal forest Udupi Dist. *J. Tropical Forest Science*. 17: 13-32 (ISSN:0128-1283, IF: 0.54)

56. Bhandary M.J. and Chandrashekar K. R., (2003). Herbal treatment for veterinary diseases from the coastal districts of Karnataka. *J. Econ. Taxon. Bot*. 27: 648-655 (ISSN:0250-9768)

57. Bhandary M. J. and Chandrashekar K. R., (2003). Sacred groves of Dakshina Kannada and Udupi districts of Karnataka. *Current Science* 85: 1655-56 (ISSN: 0011-3891, IF: 0.567)

58. Shivaprasad. B and Chandrashekar K.R. (2003) Production of Ayurvedic medicine in Dakshina Kannada district of coastal Karnataka, *Indian. J. Traditional Knowledge* 2: 272-283 **(**ISSN:0975-1068 (Online); 0972-5938 (Print), IF: 0.492)

59. Shivaprasad. B and Chandrashekar K.R. (2003) Plants used in the treatment of Jaundice in Dakshina Kannada District. *J. Econ. Taxon. Bot.* 27: 864-868

60. Vasantharaj B.K. and Chandrashekar K.R. (2003). Association of Rhizosphere fungi with Dipterocarps of Sharavathyvally forests of Karnataka. *Mycorrhizal news*. 14: 18-21.

61. Bhandary M.J. andChandrashekar K.R., (2002). Glimpses of the ethnic herbal medicine of coastal Karnataka. *Ethnobotany.* 10(3): 528-532

62. Shivaprasad B and Chandrashekar K.R. (2002) Production of Plant based drugs in Dakshina Kannada district of coastal Karnataka, *J. Med. Arom. Plant Sci.* 2(3): 272-283

63. Marati R., Shivaprasad P.V. and Chandrashekar K.R. (2002). Studies on the vegetation of Islands of Karwar, Uttara Kannada District of Karnataka. *J. Econ. Taxon. Bot*. 26: 49-54.

64. Shivaprasad P.V., Vasantharaj B.K. and Chandrashekar K.R. (2002). Studies on the structure of Pillarkan Reserve Forest of UdipiDist of Peninsular India. *J. Tropical Forest Sci*. 14: 71-81.

65. Chandrashekar K.R. and Rajeshwari Sutar (2001). Callus development and morphogenesis of *V. unguiculata* under NaCl stress. *J. Phytol. Research*. 14: 29-33.

66. Surendra, M.C., Chandrashekar K.R. and Kaveriappa K.M. (2001). Physiology of *Crotalaria striata*grown in Iron-rich, and mined soil. *ActaEcologica* 23: 81-89

67. Vasanthraj B. K., Shivaprasad P.V. and Chandrashekar K.R. (2001). *Dipterocarps in a sacred grove at Nandikoor, Udupi district of Karnataka, India*. In: (Eds.) K.N. Ganeshaiah, R. Umashanker and K.S. Bawa, Tropical Ecosystems: Structure Diversity and Human Welfare, Oxford-IBM, New Delhi, 599-602.

68. Bhandary M.J. and Chandrashekar K.R., (2001). Treatment of Poisonous snake-bites in the ethnomedicine of coastal Karnataka. *J. Medicinal and Aromatic Plant Sciences*, 22-23: 505-510.

69. Bhandary M.J. andChandrashekar K.R., (2001). On scientific reevaluation of traditional herbal medicine. *Curr. Sci*. 81: 101.

70. Shivaprasad P.V., Vasantharaj B.K. and Chandrashekar K.R. (2000). Dipterocarps of the Western Ghats of Karnataka. *Ind. J. Forestry* 11: 201-206.

71. Chandrashekar K.R. and Rajeshwari Sutar (1999). *In vitro* selection, growth, proline and protein contents of NaCl-tolerant and sensitive callus lines of *Vignaungiculata*(L.) Walp. C.V.C. 152. *ActaBotanicaindica*. 27: 161-164.

72. Roy Mathew andChandrashekar K.R. , (1999) Effect of NaCl on growth and activities of amylase and protease in the germinating seeds of *Cortalariastriata*DC. *Egypt. J. Botany* 39: 1-13.

73. Roy Mathew and Chandrashekar K.R., (1998) Phosphatases and peroxidase activities in the germinating seeds of *Crotalaria striata*DC. under NaCl stress. *J. Phytol*. Res. 11: 23-27.

74. Muralikrishna H. and Chandrashekar K.R. (1997) Regeneration of *Hopeaponga* (Dennst.) Mabberley - influence of wing loading and viability of seeds. *J. Tropical Forest Sci*. 10: 58-65.

75. Chandrashekar K.R. andSandhyarani S. (1996) Salinity induced biochemical changes in *Crotalaria striata* DC. growing in saline and non-saline habitats. *Indian J. Plant Physiol*. 1: 48-52.

76. Bhandary, M.J., Chandrashekar K.R. and Kaveriappa K.M. (1996) Ethnobotany of the Gowlis of Uttara Kannada District, Karnataka *J. Econ. Taxon. Bot*. 12: 244-249.

77. Chandrashekar K. R. andSandhyarani S., (1995) Effect of salinity stress on germination, carbohydrate, protein and proline contents of *Crotalaria striata* DC. seeds. *ActaBotanicaIndica* 23: 59-62.

78. Bhandary, M.J., Chandrashekar K. R. and Kaveriappa K.M. (1995) Medical ethnobotany of Siddi tribe of Uttara Kannada District of Karnataka, *India. J. Ethnopharmaco* 47: 149-158.

79. Chandrashekar K.R. (1994) *Aquatic hyphomycetes: Importance in the aquatic ecosystem*. In: D.J. Bhat (Ed.) Laboratory Manual and Abstracts of lectures of State-of-the-Art techniques for studying marine and freshwater fungi, Goa University, Goa. 84-85.

80. Chandrashekar, K.R. and KaveriappaK.M. (1994) Effect of pesticides on sporulation and germination of conidia of aquatic hyphomycetes, *J. Environ. Biol*. 15: 315-324.

81. Chandrashekar, K.R. and Sandhyarani S. (1994) Difference in chemical composition of *Alysicarpusvaginalis* (L.) DC. growing in saline and non-saline habitats, *BiologiaPlantarum* 36: 139-143.

82. Chandrashekar, K.R. and Kaveriappa K.M. (1992) Production of extracellular amylase by *Lunulosporacurvula* and *Phalangisporaconstricta*, *J. Microb. Biotechnol*. 7: 22-36.

83. Sridhar, K.R., ChandrashekarK.R. andKaveriappa K.M. (1991).*The aquatichyphomycetes of Indian subcontinent.* In: Felix Baerlocher (Ed.), The Ecology of Aquatic Hyphomycetes. Springer - Verlag, Heidelberg, 182-211.

84. Chandrashekar, K.R., Sridhar K.R. and Kaveriappa K.M. (1991). Aquatic hyphomycetes of a sulphur spring. *Hydrobiologia* 218: 151-156.

85. Chandrashekar, K.R. and Kaveriappa K.M. (1991). Mangroves of West Coast of Karnataka. In Ramachandran C.N. et al. (Ed.), Perspectives onDakshina Kannada and Kodagu (Decennial Volume), Mangalore University, Mangalore, 288-296.

86. Chandrashekar K.R. and Kaveriappa K.M. (1991) Production of Extracellular cellulase by *Lunulosporacurvula* and *Flagellosporapenicillioides, Folia Microbiol*. 36: 249-255.

87. Chandrashekar, K.R., Sridhar K.R. and Kaveriappa K.M. (1990). Periodicity of water-bornehyphomycetes in two streams of the Western Ghat forests (India). *ActaHydrochim. Hydrobiol*. 18: 187-204.

88. Chandrashekar K.R., Sridhar K.R. and Kaveriappa K.M. (1989). Palatability of rubber leaves colonised by aquatic hyphomycetes. *Archive fur Hydrobiol* 115: 361-369.

89. Chandrashekar K.R. and Kaveriappa K.M. (1989). Effect of pesticides on the growth of aquatic hyphomycetes. *Toxicol. Lett*. 48: 311-315.

90. Chadrashekar, K.R. and Kaveriappa K.M. (1989). Production of extracellular enzymes by aquatic hyphomycetes. *Folia Microbiol* 33: 55-58.

91. Chandrashekar K.R., Sridhar K.R. and Kaveriappa K.M. (1986). Aquatic hyphomycetes of the river Kempu Hole in the Western Ghat forests of Karnataka. *Indian Phytopath*. 39: 368-372.