Bio-data

Name: Dr. Vinay B. Raghavendra

Birth Date: April 26, 1979

Home Address: #934, D block,1st stage
J. P Nagar, Mysore Pin: 570008
Karnataka, India.

Birth Place: Bidaruru, Hassan District, India

Present address: Associate Professor
P.G. Department of Biotechnology
Teresian College, University of Mysore,
Mysore-570011, India

Email: viragh79@gmail.com

Citizenship: India

Marital status: Married

Languages known: English, Kannada and Hindi

Business Phone: 91-9916901194

Educational Qualification

Course	Major Subjects	Name and Location of Institution	Dates Attended	Grade
B.Sc.	Botany, Bio-Chemistry, Microbiology	Banumaiah‟s College, Mysore	1996-1999	A
M.Sc.	Bio-Science	Hemagangotri, University of Mysore India	1999-2001	A
M. Phil.	Biotechnology	BharathidasanUniversity	2006	A
Ph.D.	Biotechnology	Manasagangotri, University of Mysore	2009 (Awarded)	
Post Doctoral	Renewable Energy	University of California, Davis, CA	2014-15	

APPOINTMENTS and POSITIONS

ACADEMIC:

Dates Attended	**Name and Location of Organization**	**Rank/Title**
2002-2003	Mansagangotri, university of Mysore	Junior Research Fellow
2003-2006	Mansagangotri, university of Mysore	Junior Research Fellow
2007-2009	Mansagangotri, university of Mysore	Post-Graduate Teaching Assistant
02nd March 2009-To-date	**Teresian College, (Affiliated to University of Mysore)**	**Professor & HOD**

Fellowships and Awards:

Sl. No	**Fellowship/Award**	**Year of award**	**National/ International**	**Funding agency**
01	**Best Paper Award**	**2020**	**International**	**Manav Rachna University, Faridabab**
02	International Teachers Award	2021	International	I2OR, Punjab, India
03	Distinguished Research Award	2020	International	I2OR, Punjab, India
04	Indian Science Academies Summer fellowship for teachers-2018-19	2019	National	Indian Science Academies, New Delhi
05	InSc-Best Teacher Award-2019	2019	National	Institute of Scholars, Bangalore
06	Raman fellowship for Post-Doctoral Research for Indian Scholars in United States	2014-15	International	University Grants Commission New Delhi
07	Travel Grants Award to present original research paper in Antwerp, Belgium	2013	International	University Grants Commission New Delhi
08	Best cover page Design for PROBE Newsletter from Association of Microbiologist of India Mysore	2012	National	Association of Microbiologist of India
09	Consolation prize: paper presentation in International Congress of Chemistry and Environment-2009,Ubonrachthani,Thailand	2010	International	International Congress of Chemistry and Environment-2009
10	Dr. P.R. Verma Student	20thDecember,	National	Asian Congress of

	award, paper presented	2007.		Mycology and Plant Pathology held at Hyderabad
11	Fellow award	2019	National	Fellow of World Research Associations
12	Fellow Award	2012	National	International Society for Biotechnology
13	Fellow Award	2012	National	International Society of Chemistry and Environment
14	Fellow Award	2012	National	Society for Applied Biotechnology

Seminars/Conferences/Workshop organized as Convener/organizing Secretary

Sl. No.	**Seminars/Conferences/Workshop**	**Year**	**State/National**	**Funding agency**
01	Virtual Lecture Workshop	2020	National	Indian Science Academies
02	World Environment Day celebration- 2020	2020	State	UBA
03	Science Academies Lecture Workshop	2019	National	Indian Science Academies
02	National Science Day Celebration-2019	2019	State	KSCST
03	Training programme for farmers on "Cultivation, Processing and Marketing of Medicinal Plants"	2019	State	Kerala Forest Research Institute, Kerala
04	"Intellectual Property rights"	2018	State	Govt. of Karnataka
05	"Renewable energy sources"	2018	State	Govt. of Karnataka
06	Emerging Trends in Ayurveda and herbal drug Technology" held on 22-23	2012	National	DBT, New Delhi

Working as Coordinator in different programmes listed below

Sl. No	Programme	Year	Funding agency
01	Skill Development Programme	2020	UGC
02	Unnat Bharat Abhiyaan	2019-2024	MHRD, New Delhi
03	PG department, Teresian College, Mysore	2017 till date	
04	India Ranking (NIRF)	2018-2020	

Resource person/Papers Presented

Sl. No.	Seminars/workshop/conference	year	duration	Agency
	Paper presented on "Synthesis of eco-friendly copper oxide nanoparticles for fabrication over textile fabrics: Characterization for dye degradation potential"	**2020**	30th January 2020 to 2nd February 2020	Manav rachna University, New Delhi
01	Attended for One day program on "Orientation of Participating Institutes to Initiate Work in Adopted Village Clusters held on 4th January 2020	2020	4th January 2020	Unnat Bharat Abhiyan, MHRD, New Delhi
02	Teacher Invitee for 85th Annual Meeting on 8-10th November 2019 held in University of Hyderabad, Hyderabad	2019	8-10th November 2019	Indian Science Academy, New Delhi
03	**Paper presented** on Endophytic fungi, Cladosporium species-mediated synthesis of gold nanoparticles possessing in-vitro antioxidant, anti-diabetic and anti-inflammatory activities	2019	8th-9th 2019	UGC
04	Training programme on Improved Production Technologies of Aromatic and Medicinal Plants and Aromatic oils organized by	2018	26th- 30th December 2018	CSIR- CIMAP
05	Faculty Development Program (FDP) on Recent Advances in Nanotechnology for Sustainable World- 2018	2018	19th to 26th June 2018	DayanandaSagar Institutions Bengaluru
06	Refresher Course on "Multiomic applications in medicinal plant research"	2018	19-02-2018 to 03-03-2018 (14 days)	Indian Science Academy
07	**"**WorldResearchJournalsConference(WRJ-2015)heldat Dubai, UAE- **Key Note Speaker**	2015	07thto 08thDecember 2015	World Research Journal
08	one day workshop on Techno–entrepreneurship Development Biotechnology	2015	August 27th 2015	Anna University
09	Workshop : 30th Youth Science writers by Karnataka RajyaVignanaParishat, Bangalore	2015	July 22 – 26, 2015	Kannada University,Hampi
10	Conference on "Understanding the Unique Benefits and Regulatory Landscape of Biodiesel California's Advanced biofuel"	2015	February 4, 2015	California Biodiesel Alliance at

				the capitol PlazaU.S.A
11	**Workshop:** 9th UGC-NRC-DBS Workshop in Biological Sciences being conducted in Indian Institute of Science, Bangalore	2014	May 5 – 31,2014 (21 days)	9th UGC-NRC-DBS
12	**Refresher Course:** organized by Academic Staff College, University of Mysore from	2013	12-02-2013-04-03-13	UGC Sponsored

Projects and Fellowships:

Sl. No.	Title of the Project	Sponsorer	Amount (in INR)	Year
01	Utilization of Indigenous microorganisms as potential bioremediators for the management of Plastics	U.G.C	10,28,000/-	2013-16 completed
02	Raman fellowship for Post-Doctoral Research for Indian Scholars in United States	University Grants Commission New Delhi	6 months	2014-15
03	Indian Science Academies Visiting fellowship (2018-19) Amity University, Gurgaon, Haryana	Indian science Academies	2 months Amity University, Gurgoan	2018-19
04	Unnat Bharath Abhiyaan- 2019 Co-ordinator	MHRD	1,75,000/-	2019-2024
05	Skill Development Programme	UGC	36,00,000/-	2020-2022

Ph.D. RESEARCH GUIDESHIP RECOGNIZED BY UNIVERSITY OF MYSORE

Sl. No.	Name of the student	Enrollment No.	Title of the thesis	Year of Registration	Awarded
01	Uzma M.	WOF-0709/2016-17	Synthesis and characterization of gold nanoparticles using medicinal plants and its endophytes for evaluation of biological activities	2016	**2020**

02	Rajeshwari S.	WOF-0638/2018-19	Bioactive phytochemicals from *Plecospermum spinosmum* as natural biotherapeutics for obesity and metabolic syndrome	**2020**	
03	Ms. Hala Ahmad Ali	WOF-711/2020-21	Phytochemicals from different medicinal plants for their activities against type-II diabetis	2021	

	Papers presented in International and national conferences	
Year	**Conference/Seminars/Workshops Symposia/Trainings attended**	**Title of paper presented/ Delivered Lecture/ Chaired Sessions**
2020	International Conference, Manav rachna University, New Delhi	Paper presented on "Synthesis of eco-friendly copper oxide nanoparticles for fabrication over textile fabrics: Characterization for dye degradation potential"
2020	Attended for One day program on Unnat Bharat Abhiyan, MHRD, New Delhi	Attended for One day program on "Orientation of Participating Institutes to Initiate Work in Adopted Village Clusters held on 4th January 2020
2019	Teacher Invitee for 85th Annual Meeting on 8-10th November 2019 held in University of Hyderabad, Hyderabad	85th Annual Meeting on 8-10th November 2019 held in University of Hyderabad, Hyderabad
2019	National level seminar on Recent Trends in Microbial Technology held on February 8-9, 2019	**Paper presented** on Endophytic fungi, Cladosporium species-mediated synthesis of gold nanoparticles possessing in-vitro antioxidant, anti-diabetic and anti-inflammatory activities
2018	Training programme on Improved Production Technologies of Aromatic and Medicinal Plants and Aromatic oils organized byCSIR- CIMAP 26th- 30th December 2018	Participated
2018	Faculty Development Program (FDP) on Recent Advances in Nanotechnology for Sustainable World- 2018	Recent Advances in Nanotechnology for Sustainable World- 2018

2018	Refresher Course on "Multiomic applications in medicinal plant research"	Faculty Development Programme (14 days) 19-02-2018 to 03-03-2018 (14 days)
2018	One day workshop on "Strengthening forward-Backward linkages for sustained supply of quality medicinal plants to industry" 01st October 2018	Participated
2017	National Seminar on Ornamental Plants- Scope, Opportunities and Challenges-21—22nd March 2017	Participated
2017	One day State level-Frontiers in Life Science-2017	Presented paper " Conversion of by-products from vegetables oil into biodiesel
2016	**"**WorldResearchJournalsConferenc e(WRJ-2015)heldat Dubai, UAE-**Key Note Speaker** 07thto 08thDecember 2015	Biodegradation of polyurethane (PU) and LDPE by *Aspergillus niger*from land filled soil conversion for the production of biodiesel
2015	one day workshop on Techno–entrepreneurship Development Biotechnology August 27th 2015	one day workshop on Techno–entrepreneurship Development Biotechnology
2015	Workshop : 30th Youth Science writers by Karnataka RajyaVignanaParishat, Bangalore July 22 – 26, 2015	4 days workshop
2014	9th UGC-Networking Resource Centre Workshop in Biological Sciences (May 5th to 31th 2014)	Lectures and carried out hands on practical sessions in Basic modern Biology and Recombinant DNA techniques
2014	UGC Sponsored National conference on "Driving stem cell research towards therapy- a vision of the future March 20th and 21st 2014	Stem cells a miracle technology for future
2013	6th International congress of Chemistry and Environment held at Antwerp, Belgium from 08th to 10th July 2013	Paper presented: Fungal communities associated with degradation of plastics in soil
2013	UGC sponsored Refresher Course12-02-2013 to 04-03-2013	Refresher course obtained A grade
2012	National conference on Emerging Trends in Ayurveda and Herbal Drug Technology on 22nd and 23rd November 2012	Chaired session
2012	Science and Technology, Government of Karnataka	Chaired session

2011	UGC sponsored National workshop on Advance training in Proteomics and Genomics 14^{th}-16^{th} September 2011.	Advance training in Proteomics and Genomics
2010	International Congress of Chemistry and Environment-2009, Ubonrachthani, Thailand	Paper presented: Dravya, an inducer of systemic acquired resistance, activates defense gene and hr gene expression against bacterial blight of cotton
2008	Diversity and functionality of plants and microbes, Dept of Botany University of North Bengal	Paper presented: Analysis of isolate variability of Xanthomonas axonopodis for specific markers

Poster National conferences

1. Anusha, **Vinay B. Raghavendra**and Girisha S.T. paper presented on "Stem cells" UGC sponsored National Conference on Driving stem cell research towards therapy-a vision of the future" March $20^{th}$and 21^{st}2014
2. **Vinay B. Raghavedra**Paper presented on "Biodiesel production fromagricultural waste" UGC sponsored two days National conference on Recent Trends in Chemical Biology: An Overview" (RTCB-2013).
3. **Vinay B. Raghavendra,** S Lokesh and H.S. Prakash**.** Efficacy of Bioagents in Management of Bacterial blight of cotton caused by *Xanthomonasaxonopodis*pv. *malvacearum.* Second Global Conference Udaipur, India Poster presentation pp 183, November 25-29,2005
4. **Vinay B. Raghavendra,** Lokesh, S. Vasanth Kumar, T and Prakash H. S. Dravya – as an organic agent for the management of bacterial blight of cotton and its role in the induction of defense enzyme. Biotechnology approach for disease management, Annamalainagar, Chidambaram, India. Paper presentation pp-70 March 3-5,2006.
5. **Vinay B. Raghavendra,** Lokesh, S**.** Induction of Systemic resistance and management of bacterial blight of cotton caused by *Xanthomonasaxonopodis*pv. *malvacearum*disease by biocontrol agents. National Symposium on Biodiversity and Biotechnology: Research and Development needs in edible Mushrooms and crop disease management, Panthnagar (Uttaranchal). Poster presentation pp137 November 9-11,2006
6. **Vinay B. Raghavendra,** Lokesh, S. A novel feasible technique for the localization of inoculum in the infected host tissue. National Symposium on recent trends on diagnosis and management of chronic and emerging plant diseases poster presentation pp-32, Nagpur, November 23-24,2006.
7. **Vinay B. Raghavendra,** Lokesh, S. Induction of Systemic Resistance by methyl jasmonate and Management of bacterial blight of cotton caused by *Xanthomonasaxonopodis*pv.*malvacearum*NationalSymposiumonrecenttrendso ndiagnosisand management of chronic and emerging plant diseases paper presentation pp-32, Nagpur, November 23-24,2006**.**
8. **Vinay B. Raghavendra,** Lokesh, S and Niranjana, S.R .Phyton-T, a productof

seaweed extract, a growth stimulant and quality enhancer and its role in the induction of enzymes against late blight of potato. 2nd Asian Congress of Mycology and plant pathology, Hyderabad, 19-22 December 2007.

Ph. D Topic: Studies on Biology and management to bacterial blight of cotton caused by *Xanthomonas axonopodis*pv. *malvacearum*

Post Doctoral Work: Applications for the improvement of strains in the area of biofuels(biogas,biodiesel,bioelectricityandbioethanol)productionfromagricultural wastes and crops under the guidance of Prof. Ruihong Zhang, University of California Davis,U.S.A.

01	**PATENTS**	Granted : ----	Filed :**01** **(INDAITKA100057)**

RESEARCH PAPERS

1. Rachitha P, Rohita L, Nandini L Somashekar, Vijai Kumar Gupta, Baskaran Stephen Inbaraj, Zeba Usmani, **Vinay B Raghavendra** *, Kandi Sridhar, Minaxi Sharma**. 2022.** Advances in Nanofabrication Technology for Nutraceuticals: New Insights and Future Trends. **Bioengineering** *9*(9), 478; https://doi.org/10.3390/bioengineering9090478

2. Nga, N. T. A., **Raghavendra, V. B**., Sindhu, R., Alshiekheid, M., Sabour, A., Krishnan, R., ... & Pugazhendhi, A. (2022). Green fabrication of silver nanoparticles using Chloroxylon swietenia leaves and their application towards dye degradation and food borne pathogens. *Food and Chemical Toxicology*, 113192

3. Parveez Ahamed Abdul Azees , Suganthy Natarajan, Bennett T. Amaechi , Nooruddin Thajuddin, **Vinay B. Raghavendra** Kathirvel Brindhadevi , Arivalagan Pugazhendhi (2022). An empirical review on the risk factors, therapeutic strategies and materials at nanoscale for the treatment of oral malignancies. Process Biochemistry 118, pp 283-293.

4. Sushmitha Shankar, Anusha Narayana murthy, Rachitha P., **Vinay B. Raghavendra** Chandra Nayak and Arivalagan Pugazhendhi (2022). Green synthesis of silk sericin conjugated magnesium oxide nanoparticles for its antioxidant, anti-aging and anti-biofilm activities

5. Vasantha Kumar, N., **Vinay B. Raghavendra**, Anusha Narayana Murthy and Lokesh, S. 2022. Synthesis and Characterization of Copper- Chitosan based nanofungicide and its induced defense responses in Fusarium wilt of banana. Accepted in Inorganic and Nano metallic Chemistry. 10.1080/24701556.2022.2068591

6. Govindappa, M. Manasa D.J., Vridhi V., Bhoomika V., Suryanshi D., Ritu P. and **Vinay B. Raghavendra**. 2022. Screening of antibacterial and antioxidant activity of biogenically synthesized silver nanoparticles from Alternaria alternata, endophytic fungi of Dendrophthoe falcata- a parasite plant. Bio nanoscience. 12, 128–141 (2022). https://doi.org/10.1007/s12668-021-00932-4

7. **Vinay B. Raghavendra**, Sushmitha Shankar, Govindappa M., Arivalagan Pugazhendhi, Minaxi Sharma and Chandra Nayaka, S. (2022) Green synthesis of zinc oxide (ZnO) nanoparticles for effective degradation of dye, polyethelene and antibacterial performance in waste water treatment. Accepted **Journal of Inorganic and Organometallic Polymers and Materials.** 32, 614–630 (2022). https://doi.org/10.1007/s10904-021-02142-7

8. Govindappa, M. A. Vishaka, B.S. Akshatha, Dimple Popli, N. Sunayana, C. Srinivas Arivalagan Pugazhendhi and **Vinay B. Raghavendra** (2021). An endophytic fungus, Penicillium simplicissimum conjugated with C60 for its potential antimitotic, anti-inflammatory, anticancer and photodegradation activities. **Environmental technology**, 16:1-15. doi: 10.1080/09593330.2021.1985621. Epub ahead of print. PMID: 34559029.

9. Minaxi sharma, Rajeev Bhat, Zeba Usmani, David Julian McClements, Pratyoosh Shukla, **Vinay B. Raghavendra**. 2021. Bio-based formulations for sustainable applications in Agri-food-pharma. **Biomolecules**, 768 (IF=5.0)

10. Munawer, U., **Raghavendra, V. B**., Ningaraju, S., Krishna, K. L., Ghosh, A. R., Melappa, G., & Pugazhendhi, A. (2020). Biofabrication of gold nanoparticles mediated by the endophytic Cladosporium species: Photodegradation, in vitro anticancer activity and in vivo antitumor studies. *International Journal of Pharmaceutics*, *588*, 119729. (IF=5.90)

11. Govindappa M., Lavanya M., Aishwarya P., Hemashekar B., Arpitha B.M., YL. Ramachandra and **Vinay B. Raghavendra**. 2020. Synthesis and Characterization of endophytic fungi, Cladosporium perangustum mediated silver nanoparticles and their antioxidant, anticancer and nano-toxicological study. Bionanoscience. (1.5) 1-75

12. Ningaraju, S., Munawer, U., **Raghavendra, V. B**., Balaji, K. S., Melappa, G., Brindhadevi, K., & Pugazhendhi, A. (2021). Chaetomium globosum extract mediated gold nanoparticle synthesis and potent anti-inflammatory activity. *Analytical Biochemistry*, *612*, 113970.. (3.0)

13. Govindappa, M., Birawat, R., Akshatha, K., **Raghavendra, V. B**., Munawer, U., Ningaraju, S., ... & Pugazhendhi, A. (2021). In vitro therapeutic evaluation of nanoliposome loaded with Xyloglucans polysaccharides from Tamarindus flower extract. *International Journal of Biological Macromolecules*, *178*, 283-295. (IF=6.95)

14. Manigandan, S., Wu, M. T., Ponnusamy, V. K., **Raghavendra, V. B**., Pugazhendhi, A., & Brindhadevi, K. (2020). A systematic review on recent trends in transmission, diagnosis, prevention and imaging features of COVID-19. *Process Biochemistry*. (IF=3.0)

15. Govindappa, M., Tejashree, S., Thanuja, V., Hemashekhar, B., Srinivas, C., Nasif, O & **Raghavendra, V. B**. (2021). Pomegranate fruit fleshy pericarp mediated silver nanoparticles possessing antimicrobial, antibiofilm formation, antioxidant, biocompatibility and anticancer activity. *Journal of Drug Delivery Science and Technology*, *61*, 102289. (IF=3.0)

16. Uzma M., Sunayana N, Dhanwini R. Prasad., and Vinay B. Raghavendra. 2020. Studies of *in vitro* Antioxidant and Anti-inflammatory activity of gold nanoparticles biosynthesized from medicinal plant, *Commiphora wightii*. Materials Technology (IF=2.0)

17. Uzma, M., Sunayana, N., Raghavendra, V. B., Madhu, C. S., Shanmuganathan, R., & Brindhadevi, K. (2020). Biogenic synthesis of gold nanoparticles using Commiphora wightii and their cytotoxic effects on breast cancer cell line (MCF-7). *Process Biochemistry*, *92*, 269-276. (IF= 3.0)

18. Sunayana, N., Uzma, M., Dhanwini, R. P., Govindappa, M., Prakash, H. S., & Raghavendra, B. V. (2020). Green synthesis of gold nanoparticles from Vitex negundo leaf extract to inhibit lipopolysaccharide-induced inflammation through in vitro and in vivo. *Journal of Cluster Science*, *31*(2), 463-477. (IF=3.0)

19. Nataraj, S., Dhanwini, R. P. and Vinay B.R. 2019. Phytochemical analysis, anti-oxidant, vitamin C and antibacterial properties of *Morinda citrifolia*- used traditionally in ayurvedic treatments in India. International Journal of Recent Scientific Research 10(06) pp. 33107-33113

20. Abhishek AB., Chandan KP., Vinay BR. and Bhagyalakshmi N. 2019. Vitamin C content in Indian Dessert Bananas and their antioxidant potential. International Journal of Scientific and Engineering Research 7(5): 58-62

21. Vinay B. Raghavendra and Nataraj M. 2020. Miracle plant *Eryngium foetidum* Linn- A review on Ethnobotanical, Phytochemical composition and Pharmacology- International Journal of Advance Science and Technology 29 (2) 830-83

22. Uzma M. and Vinay B. Raghavendra 2018.Biogenesis of gold nanoparticles, role of fungal endophytes and evaluation of anticancer activity- A review. European Journal of Biomedical & Pharmaceutical Sciences. 5: 319-329

23. Govindappa, M. H Farheen, Ravishankar V Rai and Vinay B Raghavendra. 2016. Mycosynthesis of silver nanoparticles using extract of endophytic fungi, *Penicillium*species of *Glycosmismauritiana*and its antioxidant, antimicrobial, anti-inflammatory and tyrokinase inhibitory activity Adv. Nat. Sci.: Nanosci. Nanotechnol.on issue3, volume 7, (3.5)

24. Lokesh S., Vinay B. Raghavendra, Nagesh S. and Govindappa M. 2017. First report of leaf blight of Bakul (*Mimusops elengi* Linn) caused by *Pestalotiopsis clavispora* (G.F. Atk.) Steyaert in India. Journal of Plant Physiology & Pathology

25. Sarvamangala H., Vinay B. Raghavendra, and Girisha, S. T. 2017. Biobenefication of oxide minerals from *Bacillus subtilis*using FTIR and MALDI-TOF Techniques. Journal of Environmental Protection

26. Sunayana, N., Uzma, M., Girish, S. T. and Vinay B. Raghavendra 2017. Anti-diabetic properties of *Kalanchoe pinnata* (LAM.) PERS. in Alloxan induced diabeticmice. Asian Journal of Research in Biological and Pharmaceutical Sciences

27. Vinay B. Raghavendra, Lokesh, S., Nagesh K. S. and M Govindappa. 2016. First report of leaf spot Caused by *Cercosporaapii*Fresen of *Tabebuiaargentea*in India. . International Journal of Advanced Research in Biological Sciences 3(8) (15).(Reputed)

28. Vinay B.Raghavendra,Uzma,M.,Govindappa M.,Vasantha R.A.and Lokesh, S. 2016. Screening and Identification of Polyurethane (PU) and Low density Polyethylene (LDPE) Degrading Soil Fungi Isolated from Municipal solid waste. International Journal of Current Research (3.5)

29. VinayB.Raghavendra.,SunayanaN.,LokeshS.VasanthaR.A.2015.Endophytic Fungal Communities Associated with Degradation of Plastics in Soil. Research Journal of Chemistry and Environment 19(2): 1-9(7)

30. Vinay B. Raghavendra, Lokesh Siddalingaiah, Nagesh K. Sugunachar, ChandraNayak, Niranjana S. Ramachandrappa. 2013. Induction of systemic resistance by biocontrol agents against bacterial blight of cotton caused by *Xanthomonas campestris* pv. *Malvacearum* e Sci J. Plant Pathol. 02 (2013) 59-69. (7)

31. Mudalige C., Girisha S.T., Raghavendra V.B., Niranjan M.H., Ravikumar K. &Sumantha, M.G. 2011. Molecular characterization of *Macrophomina Phaseolina*, the Incitant of *Coleus Forskohlii* Revealed by RAPD Markers. International Journal of Life Sciences, 5(1): 44-50(3.5)

32. Sadananda T.S, Nirupama R, Chaithra K, Govindappa M, Chandrappa C.P and Vinay B. Raghavendra. 2011. Antimicrobial and antioxidant activities of endophytes from *Tabebuia argentea* and identification of anticancer agent, lapachol. Journal of Medicinal Plants Research 7(3) 256-262(3.5)

33. Govindappa M., Sadananda T.S., Channabasava R. And Vinay B. Raghavendra. 2011. In vitro anti-inflammatory, lipoxygenase, xanthine oxidase and acetycholinesterase inhibitory

activiry of Tecomastans (L.) Juss. Ex kunth. International Journal of Pharma and Bio Siences2(2) 275-285.(3.5)

34. Vinay B. Raghavendra., Sunayana N., and Lokesh S. 2010. Dravya, an inducer of systemic acquired resistance, activates defense gene and hr gene expression against bacterial blight of cotton. Research Journal of Chemistry and Environment 285-295(3.5)

35. Govindappa M., Sadananda T.S., Channabasava R. And Vinay B. Raghavendra. 2011. Antimicrobial, antioxidant activity and phytochemical screening of *Tecomastans*(l.)Juss.exkunth. *Journal of Phytology*3(3).67-78.(3.5)

36. Vinay B. Raghavendra, S. Lokesh, Govindappa, Sunayana, N., Shetty, H.S and Vasanth Kumar. 2008. First report of Anthracnose of *Pongamiaglabra*caused by *Colletotrichumdematium*in India. Plant Health Progress, 2(1): 78-79.(7)

37. Vinay B. Raghavendra, S Lokesh and H.S. Prakash2007. Importance of Dravya in the management of bacterial blight of cotton caused by *Xanthomonas axonopodis* pv. *malvacearum.* Phytoparasitica 35(5): 442-449(7)

38. Vinay B. Raghavendra, S Lokesh and H.S. Prakash 2008. Role of cultivars, physical, chemical and organic treatments in the management of bacterial blight of cotton. Archives of Phytopathology and Plant Protection 12(3): 37-40(3.5)

39. Vinay B. Raghavendra, Siddagangaiah, Lokesh S, Shetty, H.S and Niranjana S.R. 2008. Phyton-T, A Extract of Seaweed (*Sargassumwightii*) Induces defense enzymes against late blight and enhances quality of potato. Journal of Mycology and Plant Pathology 38(1): 27-32. (3.5)

40. Vinay B. Raghavendra, Lokesh, S., Govindappa, M and Vasanthkumar, T. 2007. Dravya – as an organic agent for the management of seed-borne fungi of sorghum and its role on the enzyme activity. Pesticide Biochemistry and Physiology 89: 190–197. (2.338)15

41. Vinay B. Raghavendra, S. Lokesh, T. Vasanth Kumar and H.S. Shetty (2005). Compatibility of Phyton with common fungicides and their role on the yield of safed musli. World Journal of Agricultural Sciences 1 (1): 62-64(3.5)

42. Vinay B. Raghavendra, S. Lokesh, Shetty, H.S and T. Vasanth Kumar (2005). First report of tuber-rot of safed musli (*Chlorophytum borivilianum*) caused by *Fusarium solani* in India. Australasian Plant Pathology, 34 (2): 275-276.(3.5).

43. Vinay B. Raghavendra., Sunayana, N., Lokesh, S., Govindappa, M., and Girish S. T. 2007.First report on the Fusarium wilt of *Tuja oreintalis* caused by *Fusarium oxysporum*

a medicinal important tree of India. Australasian Plant Disease notes,2(1):87-88. (3.5)

44. Lokesh, S., Govindappa, M., and Vinay B. Raghavendra, 2008. First report on the flower-rot of *Crossandrain fundibuliformis*- a commercial flower crop of India. Journal of General Plant Pathology 74:338-340 (3) Reputed journal

45. B.G. Bharath S. Lokesh, Vinay B. Raghavendra, H. S. Prakash and H.S. Shetty (2006). First report on the occurrence of *Myrothecium verrucaria* in watermelon seeds. Australasian Journal of Plant disease notes 1(1): 3-4 (0.53 if)1.5

46. Vinay B. Raghavendra., Lokesh, S., Girisha S.T., Govindappa, M. and Prakash H.S. 2006. Antifungal activity of aqueous extract of safedmusli against seed mycoflora of some crop species. American Eurasian Journal of agriculture and Environmental Science 1(2): 86-90(3.5)

47. Raju, N. S., Venkataramana, G. V., Girish, S. T., V. B. Raghavendra and Shivashankar, P. 2007. Isolation and evaluation of Indigenous soil fungi for decolouration of textile dye. Journal of Applied sciences.7(2):298-301(1.5)

48. Lokesh S, Bharath BG, Vinay B. Raghavendra and Prakash, H.S. 2007. Importance of plant growth promoting rhizobacteria in the enhanced seed germination and growth of water melon against fungal pathogens, Acta Agranomica Hungarica 55(2): 67-72 0.538(3.5)

49. Panduranga Murthy and Vinay B. Raghavendra 2007. Effectiveness of fungicides on seed bornemycoflora, seedling vigour and biochemical constituents during early emergence of Bhendi (Abelmoschusesculentus, L Moench) cv. Kiran Advances in Plant Sciences. 20 (1) 261-263(3.5)

50. Panduranga Murthy and Vinay B. Raghavendra 2004. Changes in chloroplast pigments and seedling growth attributes of mungbean as induced by pesticidal seed treatments. Biosciences, Biotech Research Asia. 2(2): 117-122 (5)-(3.5)

51. Masooda Begum, Lokesh, S., Rai, V.R., and Raghavendra, V.B. 2007. Role of leaf extract of some plants in the management of seed-borne fungal diseases of Okra (Abelmoschusesculentus (L) moench. Archives of Phytopathology and Plant Protection. DOI:10.1080

52. G.V. Venkataraman, P.N. Sandhya Rani, N.S. Raju, S.T. Girisha and Vinay B. Raghavendra 2007. Physico-chemical characteristics and impact of aquatic pollutants on the vital organs of a freshwater fish glossobiusgiuris. Research journal of Environmental Toxicology 1(1):1-15

53. Murthy N., Lokesh., and Vinay B. Raghavendra. 2006. In-Vivo investigations on the management of some nursery diseases of Teak. AnnalsofForestry14(1): 48-55. 37.

54. Mahendra. M, Vinay B. Raghavendra, S. Lokesh and Prakash H.S. (2006). "Role of seed treatment in the management of bacterial blight of cotton. Seed Research 34(1):77-79

55.

Paper communicated

1. Rachitha P, Krupashree, Hemanth Kumar, **Vinay B Raghavendra** and Minaxi Sharma. "Potential Convalescent action of menthol against T-2 mycotoxin-induced toxicity: An in vitro study with HaCaT cells" communicated to Toxicology In vitro (under review).

2. Rachitha P, Krupashree, Hemanth Kumar, **Vinay B Raghavendra** and Minaxi Sharma. *Nigella sativa* as a promising opportunity in medicine and nanotechnology. Communicated to Food Bioscience

3. Rachitha P, Krupashree, Hemanth Kumar, **Vinay B Raghavendra** and Minaxi Sharma. Sea cucumber as future food: Current trends and future opportunities. Communicated to Trends in Food and Technology

4. Rachitha P, Krupashree, Hemanth Kumar, **Vinay B Raghavendra**, Minaxi Sharma and Arivalagan Pughalendhi. Curcumin nanofabricated phytosomes ameliorate H2O2 induced hepatic and erythrocytes damage in Balb/c mice and through molecular docking studies. Communicated to Open Nano

Extracurricular activities

Executive Member: Association for Microbiologist of India

Member: Karnataka RajyaVijnana Parishat, Bangalore

Editor: Research Journal of Chemistry and Environment

Patent filed: A system for stored water quality monitoring, stored water purification and stored water quality data communication. Patent application no. 201641011886 A

Book chapter Published:

Functional Foods from Mushroom- Wiley Blackwell Publication UK.

Curcumin Nanoemulsions: Recent Advances and Applications.- Integrative Approaches to Biotechnology. CRC Press Taylor and Francis group

Place: Mysore

Date:17-08-2022 (Vinay B. Raghavendra)