

# Academic Profile of Dr. (Mrs). Veena Kumara Adi

1. **Designation** Associate Professor
2. **Date of Birth** 18<sup>th</sup> September, 1970



3. **Address** **Official address:** Associate Professor,  
Civil Engineering department  
Bapuji institute of Engg and Technology,  
Davangere 577 004, Karnataka, INDIA.

**Residential Address:** #1928/8, Shreya-Savitri, 2nd Cross,  
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Davangere

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**Google Scholar** <https://scholar.google.co.in/citations?user=ZbSZm6cAAAAJ&hl=en>  
Citations : 342 ; h-index : 4; i10 index :3 as on 23<sup>rd</sup> June 2020

**Researchgate** [https://www.researchgate.net/profile/Veena\\_Adi](https://www.researchgate.net/profile/Veena_Adi)  
RG impact factor 5.49 as on 23<sup>rd</sup> June 2020

4. **Marital status** Married

**Husband:** Dr. Kumara Ganapathi Adi  
Professor and Chairman,  
Dept of Electronics and Instrumentation,  
University BDT Govt College of Engineering  
Davangere-4

**Children:** Yashas Kumara Adi (DOB- June 14<sup>th</sup> 2002)  
Shreyas Kumara Adi (DOB- August 31<sup>st</sup> 2005)

5. **Academic qualifications**

- **DBT-Post Doc Fellow** (2001-2003) in Cancer Biology, Centre for Biotechnology, **Indian Institute of Technology Bombay** (IIT-b), Powai, Mumbai. <http://www.iitb.ac.in/>
- **CSIR-Research Associate** (1999-2000) in Biochemistry, Dept of Biochemistry, **Indian Institute of Sciences** (IISc), Bangalore. <http://www.iisc.ernet.in>.
- **Ph D** (1994-99) in Biosciences, Infestation Control & Protectants Dept, **Central Food Technological Research Institute (CFTRI)**, Mysore. <http://www.cftri.com>
- **MSc** (1991-1993) in Environmental Sciences (**Gold Medalist**) **Kuvempu University**, Shimoga. . <http://www.kuvempu.ac.in>
- **BSc** (1991) Chemistry, Botany, Zoology; **Mysore University** <http://www.uni-mysore.ac.in>

## 6. Professional track.

### Teaching

- **Associate Professor** (Dec 2014- till date), PG Dept of Environmental Sciences, Civil Engineering Dept, Bapuji Institute of Engg and Technology, Davangere, Karnataka. [www.biet.dvg.edu](http://www.biet.dvg.edu)
- **Assistant Professor** : (Aug 2012 – Nov 2014) Civil engineering Dept, Bapuji Institute of Engg and Technology, Davangere, Karnataka.
- **Assistant Professor** : (Nov 2006 – August 2012) Dept of Biotechnology, Bapuji Institute of Engg and Technology, Davangere, Karnataka.
- **Visiting Professor:** (August 2004 - Nov 2006), Padmashree Dr. D Y Patil Institute of Biotechnology and Bioinformatics, CBD Belapur, Navi Mumbai. <http://dypatil.ac.in>
- **Senior Lecturer:** (August 2003 - August 2004) Padmashree Dr D Y Patil Institute of Biotechnology and Bioinformatics, Nerul, Navi Mumbai. <http://dypatil.ac.in>
- **Guest Lecturer** : (Dec 1993-July 1994) for post graduates (M.Sc) of Department of Environmental Science & Department of Life Sciences, **Kuvempu University**, Karnataka [www.kuvempu.ac.in](http://www.kuvempu.ac.in)

### Research and Development

- **IAS-Summer trainee** (May 2011- July 2011), with **Dr. Sowdhamini**, NCBS-TIFR, Bangalore. [http://web.japps.ias.ac.in:8080/srfp2011/SelectedList.jsp?col=First\\_Name&sub=Lif&searchtxt=veena](http://web.japps.ias.ac.in:8080/srfp2011/SelectedList.jsp?col=First_Name&sub=Lif&searchtxt=veena)
- **DBT- Post Doctoral Fellow:** (May 2001- July 2003), with **Prof. Dulal Panda**, Molecular cell biology lab, Center for biotechnology, **IIT Bombay, Mumbai**. Project work “Molecular mechanism of action of Antiangiogenic drug 2-methoxyestradiol” <http://www.bio.iitb.ac.in>
- **CSIR-Research Associate:** (June 1999 – September 2000) with **Dr. Ram Rajasekharan**, Dept of Biochemistry, **IISc, Bangalore**. Project worked on 'Isolation of lysophosphotydile acylcholine transferase by photo-radio labeling technique'. <http://biochem.iisc.ernet.in/>
- **CSIR-Senior Research fellow:** (Jan 1996 - May1999) with **Dr. NGK Karanth**, Dept of Pesticide infestation and Control, **CFTRI, Mysore**. Project worked on 'Fermentation studies on the production of pesticide specific biosurfactant for residue contamination in food'. <http://www.cftri.com/>
- **Junior Research fellow:** (July 1994 - Jan 1996) with **Dr. NGK Karanth**, Dept of Pesticide infestation and Control, **CFTRI, Mysore**. Project worked on 'Microbial surfactant mediated degradation of recalcitrant xenobiotics'. <http://www.cftri.com/>

## 7. Awards and honors:

- **Dale Carnegie certification** (2012) on High impact teaching skills.
- **Indian Academy of Science awarded Summer Research Fellowship (2011)** programme for teachers with **Dr. Sowdhamini** at TIFR- NCBS, Bangalore
- **DBT-Post Doctoral Fellowship** awarded by Govt of India 2001.
- **.CSIR-Senior Research Fellowship (SRF)** Awarded by Govt. of India
- **DBT- Junior Research Fellowship** award from National environmental Engineering research Institute NEERI (premier CSIR lab), Nagpur, but declined to join.
- **GATE** (Graduate Aptitude Test in Engineering ) conducted by IIT, Bombay - qualified **First Rank** in M.Sc (Environmental Sciences) Degree, Kuvempu University, Karnataka,
- University **Gold Medal** from Kuvempu University.
- **Merit Scholarship** for consecutive 2 years by Kuvempu University, Govt. of Karnataka.
- **DG- CSIR Dr. RA Mashelkar appreciation certificate** for an outstanding, imaginative showcase on **Biosurfactant** during the CFTRI showcase 1997.

## 8. Distinction and recognition:

- **Design your destiny (2018) competition:** Mentored a project on Bio-concrete which was shortlisted upto Zonal level (pre-final level) and own cash prize at state level competition co-organized by Skill India, National Skill Development corporation, CADD Centre etc.
- **Cardiopam - that senses the heart:** Mentored a **3D design model project** which was short-listed for The Autodesk Inventor Student Design Competition (2011) co-organized by **Indian Institute of Technology** Madras in association with Autodesk, academic & industry partners from mechanical engineering & related disciplines to digitally design assistive and rehabilitation devices for people with any form of impairment.
- Invitation by Society for Science & the public, Intel and Ailent as **Grand Award Judge**, 2008 Intel International Science & Engg Fair (ISEF), May 11-16, 2008 Atlanta, GA., USA
- **Convenor (2002-2004)** during the inception of the UG and PG course), Board of studies for - Design of curriculum and framing of syllabi and evaluation methods for B.Tech and M.Tech Biotechnology and Bioinformatics, DY Patil Deemed university, Navi Mumbai, Nerul, Mumbai

## 9. Academic credentials:

1. **Member, Editorial Board “Research Journal of BioTechnology”** Indore, INDIA.
2. **Referee, for several national and international high indexed journal, including Elsevier, springer to name a few**  
“Biotechnology & Bioengineering”, USA; “Journal of Biotechnology” Elsevier, USA;  
“Journal of Environmental Management” Elsevier, USA;  
“Journal of Microbiology” Springer 233, USA
3. **Consultant Biotechnologies**, Alaknanda Ghaati Shilpi Federation India  
<http://aagaas.org>
4. **Association of Microbiologist India, Life Member**
5. **Society of Biological Chemist, Life Member**
6. **ISTE Life Member**

## 10. Academic - pedagogical exposure

### PhD:

Reviewed and evaluated more than 10 PhD thesis of reputed universities such as Mysore university, CSIR-CFTRI, VTU.

### Course taught to PG Students

**M Tech Environmental Engg (2012 to till date)**

**M Tech Biotechnology and Bioinformatics (2003-2006)**

Concepts of Biotech	Advanced Molecular biology	Fermentation technology
Protein Purification	Advanced Microbiology	Environ. Impact Assessment
Biological techniques	Advanced Genetics	Air pollution & control
Applied chemistry	Applied Microbiology	Non Point Source pollution

### Course taught to UG Students

**BE Civil Engineering (2012 to till date)**

**BE –Biotechnology (2003-2012)**

Biochemistry	Genetic engg & application	Project Management & IPR
Structural biology	Genomics & proteomics	Biokinetics & enzyme tech lab
Enzyme technology	Cell biology and Genetics	Environmental Engineering Lab
Upstream process tech	Lab to industrial scaling	Bioinformatics lab and
Molecular biology	Microbial BT	Genetic engg lab
Microbiology	Solid waste management	Biochemistry lab
Food Biotechnology	Clinical & pharma biotech	Cell & molecular biology lab
Environmental BT	Mgm & entrepreneurship	
Downstream tech		

### Examiner ship of university / academic bodies

As paper setter and evaluator (both theory and practical exams) for UG, PG and Ph.D course of the following universities.

- Padmashree Dr DY Patil Vidyapeeth Deemed University, Mumbai, Maharashtra, India.**
- BVB, Hubli,**
- MSRIT, Bangalore**
- Visvesvaraya Technical University (VTU), Belgaum, Karnataka, India**
- Mysore University, Mysore, Karnataka, India**

**Guidance to research leading to PhD at VTU, Belgaum, Ms. Shainy Mathew** entitled

“Isolation characterization and extracellular production of biosurfactant by an endosulphan degrading bacteria’. –registered in 2012. However, candidate discontinued due to her family constrains.

## Area of expertise:

Extensive experience in planning, standardizing, performing and troubleshooting different techniques for the detection and remediation of environmental contaminants. Hands-on microbial production of metabolites - experience and familiarity with analytical techniques necessary for monitoring fermentation performance. Experience in rational and statistical design of experiments related to fermentation media optimization and process improvement - scale-up and scale-down experiments. Trained in down stream protein purification, protein analysis, HPLC and GC. Technical trouble shooting and time-management skills with strategic planning and decision-making. Excellent interpersonal and communications skills. Able to establish and maintain effective working relationships while collaborating with other other team members - scientists, engineers, and technicians.

- **Protein chemistry:** Expression, analysis purification and, characterization.
- **Molecular biology :** DNA/plasmid extraction, analysis, cloning, PCR.
- **Microbiology:** Aseptic techniques, isolation & characterization of bacterial strains, enrichment studies, Radiolabeling techniques.
- **Fermentation technology :** SSF, Smf, shake flasks; handling and trouble shooting of lab & pilot plant fermenters (stirred tank), packed column Bioreactors (– SSF)
- **Environmental biotechnology:** Biodegradation; bioremediation of xenobiotics.
- **Bioinformatics:** Homology modeling and drug docking, Competent user of Microsoft software (word, excel, power point etc)

## 11. Selected Workshops attended

- CE & QIP short term course on “Laboratory and Ergonomic Safety for Engineers” between 10<sup>th</sup> -14<sup>th</sup> June 2019 at **IIT Bombay**.
- “Human Body as a complex system” on 12<sup>th</sup> August 2014 at **IISc Bangalore**
- “Safeguarding of Intellectual Property Rights” in Oct 2012 at **NAL, Bangalore**.

## 12. Selected Invited talk in workshop/symposium/conference /resource person in college fest

1. Invited by Dept of Biotechnology, MSRIT as subject expert to suggest/observe/comment and review its BE Biotechnology curriculum – March 2016.
2. As resource person to frame On “**Best Management Practices to handle water pollution**”, at Hamara Jal Hamara jeeva, a nationwide programme, organized by Dept of irrigation, at DC office Davangere on February 7<sup>th</sup> 2015.
3. On “**Bioinformatics aiding Health Care**” : At Faculty Development programme (FDA 2014) organized by Electronics and Instrumentation Department, University BDT college of Engineering, Davangere during 23<sup>rd</sup> -26<sup>th</sup> July 2014.
4. “Inspiration -2013, an inter college youth fest, organized by Davan institute of Advanced management studies, as jury member for cultural event.
5. On “**Homology Modelling of beta tubulin**”: At a National Seminar on “Intelligent computing in Biological Sciences (ICIBS 2012)” organized by Padmashree Dr. D Y Patil University, Navi Mumbai. 19<sup>th</sup> - 20<sup>th</sup> March 2012.
6. On “**Nurseinformatics**” at by Bapuji Institute of Nursing, Dvg on 2<sup>nd</sup> May 2012.
7. On **Molecular biology and Genetic Engineering**: A series of lectures at KLE Engineering College (M Tech Bioinformatics) during Dec 2011.
8. On **Modelling Biomolecules**”: At 6<sup>th</sup> International conference on Hands-on science (HSCI 2009) Science for all (Hsci2009.org.in): Quest for excellence” held at Science city, Ahmedabad, (Gujarat) India.
9. On “**Tubulin and their inhibitor**”: At a National conference on Diabetes and Cancer, at Annamalai University during Dec 2009. Tamilnadu, India.

**13. List of R & D project proposals submitted (since 2011) – Attempts to raise funds.**

	Funding agency	Title of the project	Financial year	Amount (Rs)	Remarks
1	AICTE -RPS	Production of biosurfactant for an organochlorine pesticide	2011-12	10,00,000	No reply from funding agency
2	AICTE- RPS	"Study on pesticide pollution of lakes in and around Davangere, Karnataka, india"	2012-13	20,38,000	No reply from funding agency
3	DST's Indo-Australia Early Career visiting fellowship	"Enzymatic Bioremediation of pesticide residue in soil and water"	2012-13		Went to third round of scrutiny
4	Women scientist scheme (wos-a)	"Synthesis & characterization of cellulose nanocrystal (cnc) biocomposite for environmental and food Packaging applications"	2012-13	24,42,579	Rejected quoting the non-eligibility regarding the marital status of Women applied for funding
5	Vision Group on Science & Tech (VGST)	Accelerated degradation of recalcitrant pesticides by bacterial surfactant	2012-13	5,00,000	No reply
6	AICTE RPS	Production of pesticides specific biosurfactant using unconventional agricultural waste	2013-14	19,90,000	Questioned about the shifting of the dept from biotech to civil. Correspondence attached.
7	Bio-care Research Grant Opportunity	Production of pesticide specific biosurfactant using unconventional substrate	2013-14	45,64,000	Was processed till third round
8	UGC-MRP Project proposal	Production, isolation and application of Micellar Biosurfactant as nanoemulsions for Environmental Application	2014-15	18,00,000	<b>Amount of 15 lakh was sanctioned but since VTU was yet to obtain F2 status, the award was withdrawn</b>
9	BRNS (Regular Research Project)	Production and possible exploration of biosurfactant to Dislodge pesticides from food commodities	2015-16	30,00,000	Cleared all four rounds of scrutiny and gave an interview.
10	Environmental Research Programme - R&D scheme MOEF	Possibility of biosurfactant enhanced bioremediation of oil contaminated soils	2015-16	37,03,000	Is screened-in by MOEF and went till the last stage but was not recommended.
11	Call for concept note in waste management technologies (DST)	Utilization of distillery spent wash for the production of biosurfactant as formulations in pesticide industry	2017-18	30,00,000	Is screened-in and has been recommended for further consideration Mail dated July 23 <sup>rd</sup> 2019. Mail dated Mar 2019 intimated that it is not recommended.

## 14. Selected Research Publication:

### A. Peer reviewed international journals:

1. Shashikumar P M and **Veena-Kumara-Adi\*** (2019). Adsorption and Statistical Analysis of Textile Effluent Contaminated With Congo Red On Orange Peel. International journal of innovative technology and exploring engineering (IJITEE) ISSN:2278-3075, Volume-8, Issue 10, August, pp. 2607-2617.  
<https://www.ijitee.org/wp-content/uploads/papers/v8i10/J93440881019.pdf>
2. Nayana KS and **Veena Kumara Adi** (2019). Clarification of water using *Moringa oleifera* as a coagulant. International Research Journal of Engineering and Technology (IRJET), Vol 6, Issue 7, July, pp3076-3083. <https://www.irjet.net/archives/V6/i7/IRJET-V6I7467.pdf>
3. **Veena-Kumara-Adi\*** and B.K. Savitri (2019). Utilization of spent wash for optimum production of biosurfactant using response surface methodology, J. Mater. Environ. Sci., ISSN: 2028-2508, Vol 10, issue 4, May, pp 298-304.  
[http://www.jmaterenvironsci.com/Document/vol10/vol10\\_N4/31-JMES-Adi-2019.pdf](http://www.jmaterenvironsci.com/Document/vol10/vol10_N4/31-JMES-Adi-2019.pdf)
4. **Veena Kumara Adi\***, B Keerti and Ashish Prabhu (2018). Sorption of Copper on Rice Husk And Coconut Husk: A Statistical Optimization Approach. **Int J Recent Sci Res.** 9(5), pp. 26688-26692.  
DOI: <http://dx.doi.org/10.24327/ijrsr.2018.0905.2104>
5. **Veena Kumara Adi\*** and Suhasini S (2018). "Evaluation and performance of sand packed column deploying bentonite clay for rapid adsorption of rhodamine b from aqueous solution", **Int J of Latest Trends in Engg and Tech**, Vol 10 Issue 3 - May, pp. 215-220.  
<https://www.ijltet.org/journal/152820362437.%202517.pdf>
6. Jayalatha N. A and **Veena Kumara Adi** (2017). Seasonal variations in physico Chemical Characteristics of water quality of gurupura River in mangalore, south coast of india) International Journal of Applied Science & Technology Research Excellence Vol. 7 Issue 3, May-June 2017,ISSN NO.2250-2718(Print), 2250-2726(Online), (impact Factor 2.47) pp. 11-19 <http://ijastre.org/images/stories/vol7is3/3.pdf>
7. Jayalatha N. A and **Veena Kumara Adi** (2017). "Restoration of Physico-Chemical Properties of Zinc Contaminated Soil by Bacterial Biosurfactant" in International Journal of Current Trends in Science and Technology, ISSN 0976-9730 Vol. 7, no. 10, pp. 20329-20335. <https://doi.org/10.15520/ctst.v7i10.59>.
8. Shukla C and **Veena Kumara Adi** (2017). "Modeling Of Lead Adsorption on Low Cost Adsorbents By Response Surface Methodology " in International Journal of Advanced Scientific Research and Technology (IJAST), Vol 5, Issue 7, pp. 35-48. ISSN 2249-9954, <https://doi.org/10.26808/rs.st.i7v5.03>
9. **Veena Kumara Adi\***, Veena D.V and Jayalatha N. A (2016). "Physico-Chemical Analysis Of Packaged Mineral Water Bottles Floating In And Around Central Karnataka" in **Journal of Applicable Chemistry**. ISSN: 2278-1862, Volume 5, Issue 5, pp.1191-1198.  
<http://www.joac.info/ContentPaper/2016/4-20.pdf>
10. **Veena Kumara Adi\***, Meghana CV and Veena DV (2016). Bacteriological Quality Assessment of Street Vended Panipuri and Fruit Juices : A Case Study of Davangere City. **Research & Reviews: Journal of Food Science & Technology** ISSN: 2278-2249(online), ISSN: 2321-6468(print) Vol 5, Issue 2, pp.18-25.
11. Naveen Kumar MS, Nikhil B, Nikhil Patel AR, Nagaraja R and **Veena Kumara Adi\*** (2016) "Experimental studies on clay tile powder as partial replacement of cement for sustainable concrete". in **International Journal of Engineering Trends and Technology**, ISSN: 2349-0918. Volume 36 No 1- (June) pp 50-53  
<http://www.ijettjournal.org/2016/volume-36/number-1/IJETT-V36P210.pdf>
12. Veena D V, Jayalatha and **Veena Kumara Adi\*** (2016) "Water quality index of Bangalore's Battrahalli Lake" in **World Journal of Pharmacy and Pharmaceutical Sciences** ISSN 2278-4357. Vol 5, (2), pp 491-506.

13. K G Adi, PV Rao, **Veena Kumara Adi\*** (2015) “Analysis and detection of cholesterol by wavelets based and ANN classification” in *Procedia Materials Science*, ISSN: 1877-7058, Elsevier publications Vol 10, pp 409-418. <https://doi.org/10.1016/j.mspro.2015.06.074>
14. Mamatha Thakur and **Veena Kumar Adi\*** (2015) “Ground water studies in and around shantisagar Lake Channagiri Taluka region, Karnataka, India” in *Pollution Research* ISSN: 0257-8050. Vol 34 (3); pp 527-534.
15. M.C.Shainy and **Veena Kumara Adi\*** (2014) “Isolation of Endosulphan Metabolising bacteria from cashew plantations of Kannur district (Kerala)” in *International Review of Applied Biotechnology and Biochemistry*, ISSN: 2248-9886 Vol 2, No 1, pp 59-64.
16. **Veena Kumara Adi** and Karnath NGK (2014) “Optimization of process conditions for pesticide specific bioemulsifier production in laboratory fermentor” in *World journal of environmental pollution*, ISSN: 2222-1360 Vol. 4, No 1, pp 01-06.  
[https://idosi.org/wjep/4\(1\)14/1.pdf](https://idosi.org/wjep/4(1)14/1.pdf)
17. Ronak Malpani, Sachith Kumar Jegarkal, Rashmi Shepur, Ravi Kiran H. N, **Veena Kumara Adi\*** (2014) “Effect of Marble Sludge Powder and Quarry Rock Dust as Partial Replacement for Fine Aggregates on Properties of Concrete” in *International Journal of Innovative Technology and Exploring Engineering*, ISSN: 2278-3075, Vol 4 (1), June. pp 39-42.
18. Sushma Havanur and **Veena Kumara Adi\***. (2014) “Spice based treatment to increase the shelf life of Paneer – Clove a promising spice” in *The Journal of Microbiology, Biotechnology and Food Sciences*. ISSN: 1338-5178. Vol 3, no.6. pp 463-466.
19. Chellasamy Selvaakumar, Kirolikar Pravin Saurabh, Borgaonkar Swaranshu Pramod, and **Adi Kumara Veena\*** (2010) “Mutational analysis of MLH1 protein in Hereditary Nonpolyposis Colorectal Cancer- 2” in *Research Journal of Biotechnology*. ISSN: 0973-6263 Vol 5 (4), Nov, pp. 26-29
20. **Veena Kumara Adi NK\*** and Karanth NGK (2008) "Scanning Electron Microscope studies on wheat bran fortified with Fenthion, An OP Pesticide". *Asian Journal of Microbiology Biotechnology and Environmental Science*. ISSN: 0972-3005, Vol 10, no 3, pp.505-508.
21. **Veenanadig NK\***, Gowthaman MK and Karanth NGK (2000) "Scale up studies for the production of biosurfactant in packed column bioreactor". *Bioprocess Engineering*, Elsevier publication, ISSN:1369-703X Vol. 22, No 2 / Feb, pp. 95-99
22. Karanth, NGK and Deo, PG and **Veenanadig, NK\*** (1999) Microbial production of biosurfactants and their importance. *Current Science* ISSN: 0011-3891 Vol. 77 No 1, July. pp. 116-126.

**Veenanadig NK\*** and Karanth NGK "Simultaneous utilization of Fenthion & Glucose by *Bacillus subtilis* FE-2 strain" (accepted in J Env'tal & Pesticide Research).

**Veena Kumara Adi N K\*** and Karanth NGK “Solid State Fermentation on the production of pesticide specific bacterial surfactant" (review with Indian Journal of Microbiology).

## **B. In Peer reviewed Edited Book**

23. **Veena Kumara Adi** (2009) “Elucidating and Teaching the structure of DNA to biology students” published by Hands on Science HSci. **ISBN 978-989-95095-5-9.**
24. **Veena Kumara Adi** (2009) “Cancer Perspective: Microtubulin and its inhibitors”. In Diabetes Mellitus and Cancer, Excel India publishers. **ISBN:978-93-80043-56-2.**
25. **Veena Nadig NK** (1998) "A Case study of an irrigational project- Impact of Upper Tunga Project" in Environmental Impact Assessment & Management Edited- Hosetti and Kumar, Daya Publishers, New Delhi **ISBN 10: 8170351820 / ISBN 13: 9788170351825.**



### C. Abstracts in referred International proceedings:

26. Shukla and **Veena Kumara Adi** (14-16 September 2017), "Modeling of Lead adsorption from aqueous solutions by coir pith and peanut shell using response surface methodology" ICETCS 2017, held at Manipal Institute of Technology, Manipal University -576104.
27. Keerthi and **Veena Kumara Adi** (14-16 September 2017), Application of Response surface methodology (Box-Behnken Design) for copper adsorption by agro waste" at ICETCS 2017, held at Manipal Institute of Technology, Manipal University -576104.
28. Meghana CV and **Veena Kumara Adi** (21<sup>st</sup> - 24<sup>th</sup> Nov 2016). "Bacteriological quality assessment of street vended Panipuri - A case study of Davangere city" at SBC meet held at CFTRI Mysore.
29. Veena D V., Jayalatha NA and **Veena Kumara Adi\*** (20<sup>th</sup> - 22<sup>nd</sup> Dec 2015) "Water quality index of Bangalore's Bhattrahalli Lake" in ICACE 2015 at NITK Surathkal, Mangalore.
30. K G Adi, PV Rao, **Veena Kumara Adi** (17-18 Oct 2014) "Analysis and detection of cholesterol by wavelets based and ANN classification" at an International Conference on Nanomaterials and Nanotechnology, (CNT 2014) organized by Vardhaman College of Engineering, Shamshabad, Hyderabad, India
31. Shainy MC and **Veena Kumara Adi\*** (4 - 5 September 2014) " Isolation of endosulphan metabolizing bacteria from cashew plantations of Kannur district (Kerala)" at an International Conference on Recent Advances in Engineering Sciences 2014 (ICRAES 2014)held at M.S. Ramaiah Institute of Technology, Bangalore
32. **Veena Kumara Adi** (Oct, 2009) "Teaching molecular biology to science graduates" at an 6<sup>th</sup> International conference on Hands-on science (HSCI 2009) Science for all: Quest for excellence" held at Science city, Ahmedabad, (Gujarat) India.
33. K Saurabh P, Swaranshu B, Selvaa K C, **Veena Kumara Adi\*** (Dec 2008), Genomic and proteomic analysis of the MLH1 gene: Hereditary nonpolyposis colorectal cancer-2 at an International symposium on Novel strategies for targeted prevention and treatment of Cancer JNU, New Delhi, India
34. **Veena Kumara Adi** and Karanth NGK (Dec, 2008) "Sequential disintegration of wheat bran fortified with Fenthion by Bacillus subtilis" at 6<sup>th</sup> International food convention- Newer challenges in food science & tech Industrial Perspective - IFCON 2008, CFTRI, Mysore.
35. Aishwarya S, G Bharath Deepa, Spurthi HG, **Veena Kumara Adi\*** (Nov 2008) "Bioprocess development for Biosurfactant production. At 3<sup>rd</sup> International Congress on Bioprocesses in Food Industries (ICBF) & 5th Convention of Biotech Research Society of India(BRSI) at Osmania University, Hyderabad, INDIA.
36. **Veena Kumara Adi\*** (October 2008) "Pesticide Specific Biosurfactant from Wheat Bran", at the Industrial Applications of Renewable Resources: A Conference on Biobased Technologies held October 13–16, 2008, in Cincinnati, Ohio, USA .
37. **Veena Kumara Adi\*** (September 2008) "Biosurfactants production in Smf and SSF" at SIS 2008, 17<sup>th</sup> international symposium on surfactants in solution, at Max-Planck Institute of colloids and interfaces- Am Muhlenbeg 1, 14476 Golm, Germany.
38. **Veena Kumara Adi\*** (Nov 2007) "Biosurfactant – a pesticide container cleaning agent" at – 4<sup>th</sup> international conference on environmental education (ICEE) at Ahmedabad, India
39. **Veena Kumara Adi\*** (Nov 2007) "Scale up studies (Smf) on the production of pesticide specific biosurfactant" selected for presentation at – II international conference in environmental industrial and applied microbiology "Biomicroworld 2007" - Seville- Spain.
40. **Veena Kumara Adi\*** & Karanth NGK (September 2007) " Biosurfactant- a novel tool for pesticide abatement" selected for presentation at 14<sup>th</sup> International symposium on Health-related water Microbiology "Watermicro 2007" at Tokyo, Japan.
41. **Veenanadig NK.,** Akmal Pasha and Karanth NGK\* (Nov 1998) "Analysis of Carbofuran insecticide by derivatization using O,O-diethyl Chlorothiophosphate" at IFCON - 98 held at, Mysore, India

#### **D. Abstracts in referred National proceedings:**

42. Jayalatha N. A and **Veena Kumara Adi** (28 - 30<sup>th</sup> December 2016) "Seasonal variations in physico-chemical characteristics of water quality of Gurupura river in Mangalore, south coast of india" at Lake 2016:Conference on Conservation and Sustainable Management of Ecologically Sensitive Regions in Western Ghats THE 10<sup>TH</sup> BIENNIAL LAKE CONFERENCE Organised by IISc., <http://ces.iisc.ernet.in/energy>
43. Sandhya V and **Veena Kumara Adi** (15<sup>th</sup> 16 Oct 2015)" Biosurfactant enhanced bioremediation of soil artificially contaminated with spent engine oil" at UGC sponsored National conference on Recent trends in waste management" held at KLE Haveri. **BAGGED THE BEST PRESENTATION AWARD**
44. Aishwarya and **Veena Kumara Adi\*** (Oct 2009) "Coriander : Reasonably a rich source of catalase" at 78<sup>th</sup> Annual conference of, society of biological chemists (India) –Society of Biological chemist (India) held at NCBS, Pune - 411007 Maharashtra.
45. **Veena Kumara Adi** (2009) "Microtubulin and its inhibitors" in conference on Diabetes – cancer (Dia-Can 2009) held at Annamalai University, Chidambaram.
46. Karanth NGK and **Veena Kumara Adi\*** (Dec 2007) "Wheat bran as an excellent substrate for biosurfactant production" in Annual conference of Association of Microbiologists of India (AMI) at IIT Madras, Chennai, India.
47. **Veena Kumara Adi\*** and Karanth NGK (Nov 2007) "Scanning electron microscope (SEM) studies of biosurfactant producing bacillus strain" presented at 76<sup>th</sup> Annual meeting of the society of biological chemists –SBC held at Sri Venkateshwara University Tirupati.
48. **Veenanadig NK\*** Gowthaman MK & Karanth NGK (Nov 1998) "Production of Fenthion dispersing biosurfactant in solid state fermentation using Packed column bioreactor" held at National Conference on "Role of Microbes for Bioremediation" to be conducted by Punjab University, Chandigarh, India.
49. **Veenanadig NK** & Karanth NGK\* (Dec 1997) "Rapid and reliable methods for detection and determination of Emulsifier/surfactants in microbial cultures and fermentations" at Annual Conference of the Society of Biological Chemist (India), held at Andhra University, Vishakapatnam, Andhra Pradesh, India
50. **Veenanadig NK** & Karanth NGK\* (Dec 1996) "Production of Biosurfactant through Solid State Fermentation by Fenthion degrading Bacillus subtilis sps" at Annual Conference of AMI, held at IIT Madras, Tamil Nadu, India
51. **Veenanadig NK**, Anu Appaiah KA & Karanth NGK\* (March1995) "Kinetics of Surfactant from Bacillus subtilis" at the National symposium Relevance of Biotechnology", held at Dept of Biotechnology, Cochin, Cochin, Kerala, India. (\* *Corresponding author*)

## 15. List of M Tech Projects guided

1. Adsorption optimization of methylene blue dye by acid activated Parthenium carbon
2. Statistical analysis of congo red dye adsorption on orange peel
3. Clarification of water using Moriga olifera as a coagulant
4. Evaluation and performance of sand packed column deploying bentonite clay for rapid adsorption of Rhodamine b from aqueous solution
5. Adsorption of fluoride by different leaf powder.
6. Modeling of Lead adsorption from aqueous solutions by coir pith and peanut shell using response surface methodology.
7. Application of Response surface methodology (Box-Behnken Design) for copper adsorption by agro waste
8. Efficiency of Biosurfactant in the bioremediation of copper contaminated soil
9. A study on the application of Box-Behnken Design for bioremediation of Zinc Contaminated soil using Biosurfactant
10. Bioremediation of oil contaminated soil
11. Production and optimization of a biosurfactant on spent wash using design expert software
13. Study on the quality of groundwater in and around Shanthisagar lake
14. Study of non-point source pollution of Avaragere lake, Davangere
15. Bacteriological quality assessment of street vended panipuri and fruit juices-a case study of Davangere city.
16. Performance evaluation of ETP in rayon grade pulp mill 11Grasim Harihar – a case study  
Oil recovery by biosurfactant ( produced using spent wash)

## 16. Hobbies and Passion

**Accomplished Carnatic Musician** - Veena Artist- Has given several stage concert. Trained in classical carnatic music both vocal and instrumental Veena.

**Passionate Gardener** -Nurtures and maintains a home Garden of more than 250 different species of plants- ornamental, terrestrial, aquatic flowering, medicinal.