

## Curriculum Vitae

Dr. Veera Bramha Chari P.  
Assistant Professor  
Department of Biotechnology  
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Ph.D. and over 4 years of Postdoctoral Research and 2.4 Years of Teaching experience

### Research Interests

Molecular Microbiology & Environmental Biotechnology.

### Educational Qualifications

- 2001, Oct – July 8, 2006: Ph.D. Microbiology, from Goa University and (Partly National Institute of Oceanography), Goa, India.
- 1999-2001: Master of Science, M.Sc. Microbiology from Acharya Nagarjuna University campus, Guntur, Andhra Pradesh, INDIA. Secured 74.5%, Distinction.
- 1995-1998: Bachelor of Science B.Sc. Microbiology, Microbiology, Botany, and Chemistry as major subjects from Sri Krishna Devaraya University, Anantapur, Andhra Pradesh, INDIA. Secured 72.4 % Distinction.

### Previous Employment Details

#### 1. Post Doctoral Fellow – (Jan 2009- Oct 2009)

Baseline studies on Streptococcal strains in India prior to clinical trials of the Queensland streptococcal vaccine. Research Supervisor: Dr KS Sriprakash, Bacterial Pathogenesis Laboratory, Queensland Institute of Medical Research, Brisbane 4006, Australia.

#### 2. DBT- Post Doctoral Fellow (Jan 2007- Dec 2008)

Molecular Epidemiology of Group A and Groups G/C Streptococcal strains from India". Research Supervisor: Prof. M. S. Shaila, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore -560 012.

#### 3. Research Associate (1st Jan 2006- Dec 30th 2006)

Cloning and characterization of Arsenic resistant genes from *Alkaligenes* sp. Research Supervisor: Prof. P. B. Kavi Kishor, Department of Genetics & Biotechnology, Osmania University, Hyderabad. A.P.

### Overview

International Publications	: 10
National Publications	: 8
Reviews or book chapters	: 4
International Symposia/Conferences	: 8
National Symposia/Conferences	: 9
UGC-ASC-Orientation Course	: 1
Ph.D. Guiding	: 1

## Post Doctoral Projects

### **Project 1: “Baseline studies on Streptococcal strains in India prior to clinical trials of the Queensland streptococcal vaccine.**

The burden of streptococcal diseases due to *Streptococcus pyogenes* (group A streptococcus, GAS) in the Indian subcontinent still remains high, with number of patients currently suffering with rheumatic fever and rheumatic heart disease. In this project, GAS and Group G *Streptococci* strains from different parts of India were collected and a detailed characterization, employing *emm* typing, *vir* typing and MLST (Multi locus sequence typing) was done. A detailed comparison of MLST allelic profiles of the Indian isolates and those from non-endemic regions (such as Southern Australia) provided us an insight into the dynamics of population structure of GGS/GCS. Currently the association between GGS and rheumatic fever is at best tenuous. Frequent cross-species lateral transfer of genetic traits, particularly of virulence characteristics, would add weight to the hypothesis that GGS could be involved in rheumatic fever. We identified major *emm* types and sequence types (MLST types), *in vivo* passaging of GAS/GGS isolates, donor screening for opsonisation study against passaged isolates large scale expression and purification of recombinant JJO vaccine candidate. We investigated the antigenic properties of the vaccine candidates and determine whether antibodies raised against candidates bind to the surface of multiple GAS isolates. Finally the efficacy was tested on M-protein based vaccine candidates (rJJO and pJ14) developed on these strains. This was carried out by *in vitro* protection assay (immunoopsonophagocytosis) using mouse antisera and human macrophages.

### **Project 2 “Genetic diversity of Group A Streptococcus M proteins: a worldwide survey”**

The GAS M protein is a surface protein, encoded by the *emm* gene, which acts as a major virulence factor. The M protein typically consists of four repeat regions (NH2-A, B, C and D) which vary in size and amino acid composition of a non structured amino-terminal segment. The amino-terminal part extends into the environment and consists of a non helicoidal non repeated region as well as hyper-variable repeats (A repeats) and semi-variable repeats (B repeats). To evaluate the overall genetic diversity of entire M protein regions throughout the world, a molecular phylogeny analysis of the surface-exposed part of the 249 *emm*-types described today will be valuable. Multicentric phylogenetic analysis based on the sequence of the whole surface-exposed part of the M protein provides new insights on the genetic diversity of the M proteins that refine the classical *emm*-typing classification. Since M is a multi-functional protein, taking into account the genetic relationships of the functional domains might help to better characterized the molecular mechanisms of M virulence, the GAS–host interactions as well as to define and evaluate vaccine strategies. This project was done in collaboration between the QIMR, Australia and Bacterial Genetics and Physiology Laboratory (Université Libre de Bruxelles, Belgium).

### **Project 3 “A shield and sword approach to control Streptococcal infections”**

“In this study we identified the major circulating strains of GAS and GGS/GCS in India and determine whether immunization with recombinant JJO vaccine candidate and pJ14 (synthetic peptide vaccine) would protect the mice challenged with 10 major Indian strains of GAS and GGS. Also we determined whether intranasal immunization of mice with *S. salivarius* K30-J14 protects from infection with 10 major Indian strains of GAS and GGS. The final objective in this study included whether intranasal administration of mice

with *S. salivarius* K30-J14 clears the established GAS strains pre- inoculated into mice before administration of K30-J14.

## Dissertations

### Ph.D. (Oct 2001, – July, 2006)

**Research Supervisor:** Dr. Santosh Kumar Dubey, Professor, Department of Microbiology, Laboratory of Bacterial Genetics and Environmental Biotech of Bacterial Genetics, Goa University, Goa, India.

**Thesis Title:** “Characterization of marine bioluminescent bacteria (*Vibrio harveyi*) under the stress of metallic and organo-metallic environmental pollutants”.

Bioluminescent bacteria are ubiquitous organisms in the marine environment of west coast of India (Goa) which may serve as bioreporter of serious alteration in the quality of marine water caused by metallic (viz. Cd, As, Hg, Pb, Cr) as well as organo-metallic (viz. TBTC, DBTC) environmental pollutants which are released in the marine environment due to the extensive anthropogenic and natural geochemical activities. I explored the molecular strain diversity in west coast region, biochemical characterization of selected bioluminescent bacterial isolates with reference to growth kinetics, exopolysaccharide (EPS) production, pigment production, stress induced proteins and bioluminescence responses. Impact assessment studies with reference to growth and bioluminescence under the stress of metallic pollutants and organo-metallic pollutants. Molecular biological and genetic characterization, identification & localization of metal resistance genes in bacteria. Mutagenesis studies to develop metal and organo-metal tolerant bioluminescent bacteria and their characterization.

### M.Sc. Dissertation (Project):

**Title:** Microbiological analysis of Beer and Fermentation” at Mysore Breweries Limited, Jalahalli (west), Bangalore, India (Dec: 2000 - Feb 2001).

**Supervisor:** Dr. Subroto Cariapa, Brewmaster. Mysore Breweries Limited.

**Objectives:** Beer fermentation and production in large scale fermenters, studied *saccharomyces cerevisiae* (*S. carlsbergensis* and *S. uvarum*) propagation in pilot scale fermentors. Characterization of different brewery strains of Yeast, Maintenance and Propagation of Yeast strains suitable for Beer production, Yeast flocculation studies, Role of enzymes in beer fermentation, Brewery contaminants (Fungal and bacterial pathogens). Depicting beer spoilage microorganisms and their spoilage characteristics in packaged beers, Microbiology of Laagering beer, Ultrafiltration of beers (Tangential flow membrane filtration), Lyophilization of brewery strains, Monitoring of environmental water systems and pasteurizers (Microbiological and Biochemical analysis of brewery beer and distillery waters, Pasteurization of beers.

## Teaching Experience

### 1. (2002-2006) Laboratory Instructor & Sessional Lecturer

Basic and Molecular Genetics, Advances in Genetic engineering, Agricultural Microbiology, General Microbiology, Medical Microbiology, Microbial Biochemistry and Industrial Microbiology. Microbial Adaptation, and Microbial Physiology, Medical Microbiology, Microbial Biochemistry. Dr. S.K. Dubey, Department of Microbiology, Goa University.

### 2. (1<sup>st</sup> Jan 2006- Dec 30<sup>th</sup> 2006): Sessional Lecturer and Laboratory Instructor

## **Aurora College. Chikkadpally, Hyderabad**

Taught Virology, Biophysical chemistry, Molecular biology, Microbial Physiology and biochemistry to M.Sc. and B.Sc students.

3. (6<sup>th</sup> Nov 2009- Till date) Asst. Professor, Department of Biotechnology, Krishna University, Machilipatnam, AP.

## **Laboratory Skills**

### **Microbiology**

Microbial and biochemical tests for identification, Microbiological and Biochemical techniques involved in the brewery. Identification and culturing of fungal isolates, Micrometry, Techniques involved in aerobiology, soil and water Microbiology, Microbial Enzyme assays, Microbial Extracellular Polysaccharides (Bioemulsifiers and Biofilms) and Pigment characterization, isolation and extraction of bioactive compounds from fungi and bacteria, Antibiotic Sensitivity assays, Microbial biodegradation studies. Detection of pathogenic *Vibrio* species in seafood, Phage assays, Experiments on Food, Soil, Water, Medical and Dairy Microbiology, Microscopy (immunofluorescent microscopy), sample preparation and analysis for Scanning Electron microscopy and Transmission electron microscopy.

### **Microbial Ecology**

Conducted ecological testing Molecular identification of arsenic-resistant estuarine bacteria and characterization of their *ars* genotype of different microorganisms from aquatic and soil environments. Enrichment and isolation as well as detection and quantifications of microorganisms from the environment. Amplification of 16sRNA from community DNA using PCR and universal 16sRNA primers. Ribosomal database

### **Clinical Microbiology**

Handling pathogenic microbes, Culture transfer and aseptic techniques, serological and biochemical identification of  $\beta$ -hemolytic Streptococci, Raising antibodies in rabbit, *emm* typing, *vir* typing Multilocus sequence typing (MLST), bacteriocin production–BLIS sensitivity assay, *in vivo* passage of GAS and GGS/GCS Streptococci in mice, Bacterial challenge experiments in various mice genetic backgrounds, Opsonophagocytosis and *in vitro* bactericidal assays.

### **Molecular biology and Biochemistry**

Extraction of Plasmid DNA and Genomic DNA, RNA from bacterial cells, Restriction mapping, Cloning (pQE, pET, pUC18), Transformation and Screening recombinants, electroporation, Agarose gel electrophoresis, PCR, PCR clean up, DNA sequencing, Protein purification (Large scale protein expression and purification of proteins/vaccine candidates in *E.coli*, Affinity chromatography (purification of hexa-histidine tagged recombinant proteins) Protein dialysis, quantitation and concentration, SDS-PAGE, Zymography, Coomassie staining, silver staining, Documentation of gels, Western Blotting, Southern blotting, Stripping and re-probing of nitrocellulose membranes, ELISA (direct and indirect), Thin layer chromatography, Column chromatography, Gel Filtration chromatography, Isolation and quantification of Biomolecules-Spectroscopy (UV, IR, Visible and Fluorescence, FT-IR, Luminometry).

### **Cell Culture**

Maintenance of mammalian cell lines (vero, A549) Insect cell lines (sf21, sf9), Transfection.

### **Animal handling**

Animal Handling (Rats, Mice, Rabbits), Biological Characteristics and Data, sexing, breeding, Blood collection and administration of fluids and drugs, Immunization (s/c, i/m, i/d, i/v), passage of virulent bacterial strains in mice. Anesthesia and Analgesia, Euthanasia.

### Computational Knowledge

MS-Office 2007, Windows XP and Vista, Open office, Adobe illustrator, Adobe Photoshop, Sigma Plot, Chemscketch, ChromasPro, DNA and Protein sequence Analysis, Primer 3.0, Mega-Phylogenetic tree, multiple sequence alignment (ClustalW), Sequencher, e-Burst analysis, Graphpad Prism and Origin 5.0. Genomic and proteomic tools like BLAST, ExPASy etc.

## List of Research Publications

### Significant Publications

1. Sangham, S Jayasree, D., Janardhan Reddy, K, **Bramhachari, P. V.**, Sreenivasulu, N. and Kavi Kishor P.B. 2005. Salt tolerance in plants-Transgenic approaches. *J. Plant. Biotechnol* (7) 1-15. (*Impact Factor 2.12*).
2. **Bramhachari, PV** and Santosh Kumar Dubey 2006. Isolation and characterization of exopolysaccharide produced by a marine bioluminescent bacteria *Vibrio harveyi* VB23. *Lett. Appl. Microbiol.* 43: 571-577. (*Impact Factor 1.7*).
3. **Bramhachari, PV** and Santosh Kumar Dubey. 2006. Rapid and specific detection of luminous and non-luminous *Vibrio harveyi* isolates by PCR amplification. *Current Science*, 90: 8, 25. (*Impact Factor 0.9*).
4. **Bramhachari, PV**, Kavi Kishor, P.B. Ranadheer, Ramadevi, R, Rama Rao, Santosh Kumar Dubey. Isolation and characterization of mucous exopolysaccharide produced by a *Vibrio furniisii* VB0S3. *J. Microbiol. Biotechnol.* 2007 17, 1:44-51. (*Impact factor 2.062*).
5. **Bramhachari, PV**, Santosh Kaul, David J. McMillan, M. S. Shaila, M. G Karmarkar and K. S. Sriprakash (2010). Disease burden due to *Streptococcus dysgalactiae* subsp. equisimilis (group G and C streptococci; GGS/GCS) is higher than due to *S. pyogenes* among Mumbai school children. *J. Medical Microbiol* 59: 220-223. (*Impact Factor 2.27*).
6. David J. McMillan, Santosh. Y. Kaul, **PV. Bramhachari**, Therese Vu, M. S. Shaila, M. G Karmarkar and K. S. Sriprakash. (2010). Molecular markers for discriminating *Streptococcus pyogenes* and *S. dysgalactiae* subspecies *equisimilis*. *Eur J. Clin Microbiol Infect Dis* 2010; 29, 5, 585-589. (*Impact Factor-2.84*).
7. David J McMillan, Santosh Kaul, **PV Bramhachari**, MG Karmarkar, MS Shaila, KS Sriprakash. Recombination drives genetic diversification of *Streptococcus dysgalactiae* subspecies *equisimilis* in a region of streptococcal endemicity" *PLoS ONE* 6(8): e21346. doi:10.1371/journal.pone.0021346. (*Impact Factor 6.0*).
8. **Bramhachari, PV**, YHK Reddy, D. Kotresha and Varaprasad Bobbarala. 2010. Characterization of mucoid biofilm producing *Vibrio harveyi* strains isolated from various street vended seafood sources (*under review- Food control*). *Impact Factor 2.6*).
9. **Bramhachari, PV**, Sunil Babu Koppula and Y.H. K. Reddy. Differential responses of marine sediment bacteria *Pseudomonas stutzeri* strain VKM014 to chromate exposures. (*under review- World J. Microbiol & Biotechnol*) (*Impact Factor 1.1*).
10. Obulesu M, Dowlathabad Muralidhara Rao and **P.V. Bramhachari**. 2011. Carotenoids and Alzheimer's disease: An insight into therapeutic role of retinoids in animal models. *Neurochemistry International*- 59(5):535-41. (*Impact Factor 3.6*).

11. D. Kotresha, **P.V.Bramhachari**, J. Ravichand, and G.M. Vidyasagar Isolation and characterization of catechol-degrading bacteria *Achromobacter sp.* strain VBK20 from paper and pulp industrial effluents. (*Under review*-Desalination). *Impact Factor 2.1*).
12. M.S.L. Sunita, S. Prashant, Nataraj Sekhar P, **PV. Brahma Chari**, S. Nageswara Rao, B. N Padma and P.B. Kavi Kishor (2009). Molecular identification of arsenic-resistant estuarine bacteria and characterization of their ars genotype. *In Press – Ecotoxicology (Impact Factor 3.1)*.
13. M. Obulesu, **P.V.Bramhachari**, Dowlathabad Muralidhara Rao, Keshav P. Raichurkar, N.M. Shamasundar, 2011. First volume changes in Aluminium Maltolate Treated aged New Zealand Rabbit: An MRI Approach to Alzheimer's Animal Model. (*In Press-Neurochemistry International*-. (*Impact Factor 3.6*).
14. M.S.L. Sunitha, **Bramhachari, PV** and P.B. Kavi Kishor. Heavy metal induced stress proteins in marine bacterial isolate *Acentobacter sp.* (MS under Preparation).

### **Other Publications**

15. **Bramhachari, PV**, Ramadevi R, Santosh K. Dubey and P.B Kavi Kishor. Cyanobacterial metallothioneins – Structure, Functions and Future prospects. *Proc. A. P. Academy of Sciences, Hyderabad*. 11 (1) 2007: 1-15.
16. Sunilbabu Koppula, K. Ammani, Varaprasad Bobbarala and **PV. Bramhachari**. Inhibition of plant pathogenic fungi by ethnobotanically selected plant extracts. *J. Pharmacy Research* 2010, 3(9), 2334-2336. (*Impact Factor- 1.09*).
17. Sunilbabu Koppula, K. Ammani, Varaprasad Bobbarala and **PV.Bramhachari**. Antibacterial activity screening of few medicinal plants from the Southern Region of India. *J. Pharmacy Research* 2010, 3(10), 2453-2456. (*Impact Factor- 1.09*).
18. **Bramhachari, PV**, Y H K Reddy, D. Kotresha and Varaprasad Bobbarala. Phytochemical examination, Antioxidant and radical scavenging activity of *Aegle marmelos* (L.) Correa extracts. *J. Pharmacy Research* 2010, 3(12), 3023-3025. (*Impact Factor-1.09*).
19. **Bramhachari, PV**, J. Ravichand, YHK Reddy, D. Kotresha, K. Viswanatha Chaitanya and Varaprasad Bobbarala. Evaluation of Hydroxyl radical scavenging activity and HPTLC fingerprint profiling of *Aegle marmelos* (L.) Correa extracts. *J. Pharmacy Research*. 2011, 4(1), 252-255. (*Impact Factor- 1.09*).
20. M.V. Basaveswara Rao, A.V.D. Nagendrakumar, M. Sivanadh, **PV.Bramhachari** and 5Varaprasad Bobbarala. Development of new Reverse phase - HPLC method for analysis and assay of Zopiclone in Formulation. *J. Pharmacy Research* 2011, 4(1), 248-249. (*Impact Factor- 1.09*).
21. Rishab Lakhtakia, M.Taraka Ramji, K. Lavanya K. Rajesh Kannan Jayakumar, C. Sneha, A. Narayan, B. Ramya G. Ramana, **P.V.Bramhachari** and K.V. Chaitanya. The Role of Antioxidants in Human Health Maintenance: Small Molecules with Infinite Functions. *Int J. Pharma Science and Research*. 2011; Vol. 2(6): 1395-1402.
22. **P.V.Bramhachari**, B.Vijayalakshmi, K.V. Chaitanya J. Ravichand 2011.. Biofilm Formation of Halophilic *Vibrio harveyi* strain Vh265 on Various Food Contact Surfaces. *World. J. Fish Mar Sciences* 3 (6): 553-558.

### **Reviews or book chapters:**

23. Dubey, S. K and **PV. Bramhachari**, 2004. Cyanobacteria in heavy metal polluted environment: Environmental Biotechnology perspective.pp-225-244.In: Biotechnological applications of cyanobacteria. (Eds. Kiran Singh).

24. **Bramhachari, PV** and Santosh Kumar Dubey 2006. Biochemistry, Molecular Biology of Bacterial bioluminescence and Applications of *lux* genes. (Eds. G. Tripathi) In: Cellular and Biochemical Sciences), IK International, New Delhi. Part II, Chapter45, P 1027-1044.
25. **Bramhachari, PV** . 2011.The Impact of microbial metagenomics in bioprospecting marine natural products. Marine Pharmacognosy: Trends and Applications" CRC-Taylor & Francis (Eds-See Kwon kim) under review
26. **Bramhachari, PV** . 2011. "Bioprospecting of novel Immunostimulators from the marine sources" "Bioprospecting of novel Immunostimulators from the marine sources"" CRC-Taylor & Francis (Eds-See Kwon kim) under review

### Posters presented in Symposia/Conferences/Seminars

1. **Bramhachari, PV**, and Santosh Kumar Dubey. 2006. Induction of metal induced stress proteins in bioluminescent *Vibrio harveyi*. Intl. Symp Front. Genetics & Biotechnol, Hyderabad.
2. **Bramhachari, PV**,and Santosh Kumar Dubey. 2005. Isolation and Characterization of exopolysaccharide produced by a marine bioluminescent bacteria *Vibrio harveyi* VB6. AMI/HYD-2005.
3. **Bramhachari, PV**, Sunitha, M.S.L, Jalaja, J and Kavi Kishor, P.B. 2005. Stress induced protein profiles of *Psuedomonas sp* SS01 grown in presence of different aromatic hydrocarbons. AMI/HYD-2005.
4. Sunitha. M.S.L, **Bramhachari, PV**, Jalaja, J and Kavi Kishor, P.B. 2006. Screening of heavy metal and hydrocarbon tolerance in marine bacteria. Intl. Symposium on Frontiers in Genetics and Biotechnology, Hyderabad.
5. **Bramhachari, PV**, Santosh Kaul, B. Malathy, D. Prabhu, M. S. Shaila, Thangam Menon, M. G. Karmarkar, Kadaba S. Sriprakash and David J. McMillan' June 22- 26 2008. A Two Centre study of Streptococcal diversity in India" within the XVII Lancefield International Symposium on Streptococci and Streptococcal Diseases (XVII LISSD).
6. **Bramhachari, PV**, Santosh Kaul, M. S. Shaila, M. G. Karmarkar, Kadaba S. Sriprakash and David J. McMillan. Sept 20-23, 2009. Characterization of groups A, G and C Streptococci from a region highly endemic to Rheumatic fever. **BacPath 10: Molecular Analysis of Bacterial Pathogens** on Sept 20-23, 2009 at Adelaide, Australia.
7. David J McMillan, **PV Bramhachari**, M G Karmarkar, Santosh Y Kaul, M, S Shaila and K S Sriprakash. Multilocus sequence typing of intercontinental isolates of group G and C streptococcus. 110th General Meeting of the American Society of Microbiology, May 23-27, 2010, San Diego, CA, USA.
8. N. Manjusha, Razia Sultana, J. Naveena Lavanya Latha and **PV Bramhachari**. e-Metagenomics-exploring the phylogeny and biochemistry of unculturable bacteria BIOSASTRA-National Seminar Feb 3<sup>rd</sup> 2010.
9. KV. Deepika, B.Vijayalakshmi and **PV. Bramhachari**. Molecular Tools for Screening Biodiversity attributes in the Wetland Ecosystem. National seminar on "Lake Kolleru-The Wetland Ecosystem: Conflict between Environ & Development" during 2<sup>nd</sup> & 3<sup>rd</sup> February, LKCDE- 2011, Machilipatnam.
10. B. Prudvilal, A. Sivaram and **PV. Bramhachari**. Biotechnology in Fish Disease Diagnostics: Application of Rapid Molecular tools to surmount the fish farm losses. 2<sup>nd</sup> & 3<sup>rd</sup> February, LKCDE- 2011, Machilipatnam.
11. K. Venkat Rao, Yalamanda Peter and **PV. Bramhachari**. Bioprospecting in Wetland Ecosystem - Novel Discoveries at times can change the stumbling future. 2<sup>nd</sup> & 3<sup>rd</sup> February, LKCDE- 2011, Machilipatnam.

12. **P.V. Bramhachari**. Molecular Cloning of tributyltin (TBT) resistance and degradation genes from two *Alcaligenes* spp. Isolated from a shipping harbor of Goa. Int.Conf. Biodiversity & Aquatic Toxicol, Feb 12-14<sup>th</sup> 2011, Vijayawada-AP.
13. David J McMillan, B. Beall, **P V Bramhachari**, Candace Ford, Gerod Hall, M G Karmarkar, Santosh Y Kaul, J. Melo-Cristino, Marcos Pinho, M S Shaila, Mario Ramirez, Debra E Bessen and K. S. Sriprakash. An MLST scheme for *Streptococcus dysgalactiae* subspecies *equisimilis*. Palermo, Italy 4-8 September 2011, XVIII Lancefield International Symposium.
14. Mohan Karmarkar, Santosh Kaul, **P.V. Brahmachari**, Vaibhav Deshpande, Archeet Nayar, Kadaba S. Sriprakash, M.S Shaila, David McMillan, Preeti Mehta. Population structure of *streptococcus dysgalactiae* subspecies *equisimilis* from Mumbai school children. Palermo, Italy 4-8 September 2011, XVIII Lancefield International Symposium.
15. K.V.Deepika, Kranthi Kumar, M.Raghuram and **P.V.Bramhachari**. 2011. Production of Extracellular heteropolysaccharides by *Rhizobium* sp. isolated from the root nodules of *Vigna trilobata*. (NCRB-2011).6.12.2011, MITS, Rayagada.
16. K.V.Deepika and **P.V.Bramhachari**.2011.Bioactive Secondary Metabolites from Marine *Pseudomonas* sp. VB104 isolated from mangrove vegetation. Chemistry of Natural Products.28-29.2011, Krishna University, MTM-AP.
1. K.V.Deepika and **P.V.Bramhachari**, National seminar on climate change-impact on bio-resources of coastal areas. 1<sup>st</sup> & 2nd Feb-2012, Kakinada, P.R. Government College.

### Membership

Life member, Society of Biological Chemists (SBC), India.  
 Life member, Indian Science Congress (ISC), India.  
 Life member, Association of Microbiologist's of India (AMI), India.

### Fellowships and Awards

- Awarded Young Scientist Travel fellowship from The Department of Science & Technology, Govt. of India under International Travel Support Scheme (ITS) Committee for attending XVII Lancefield International Symposium held during 22-26 June 2008 at Porto Heli - Greece.
- Awarded Travel scholarship from QIMR, Australia for attending 4<sup>th</sup> Indo-Australian Biotechnology Conference at Brisbane, Australia.
- Postdoctoral Fellowship from Department of Biotechnology (DBT), Govt of India, Nov 2006 (Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore).
- Research studentship from Goa University during Ph.D. (Jun 2003 –Feb 2006).
- Second ranker of Acharya Nagarjuna University (Andhra Pradesh; India.) during M.Sc., Microbiology.
- Merit scholarship from Acharya Nagarjuna University Welfare Section, Andhra Pradesh; India during Post Graduation (1999-2001).
- Scored 72 % in Ph.D. Course work, Goa University.
- Merit scholarship from Sri Krishna Devaraya University Welfare Section, Andhra Pradesh; India, during Graduation (1995-1998).
- First ranker of S.S.B.N. College (Andhra Pradesh; India) during B.Sc., Microbiology.

## National and International Symposia attended

- Association of Microbiologists of India (AMI) - Dharwad-2004
- Association of Microbiologists of India (AMI) - Hyderabad-2005
- International Symposium on Frontiers in Genetics & Biotechnology, Hyd Jan 8-11, 2006).
- 4<sup>th</sup> Indo-Australia Biotechnology conference, which was co-sponsored by the Indian Institute of Science and QIMR held from 7<sup>th</sup> May till 9<sup>th</sup> May 2007.
- Ninth Sir Darobji Tata Symposium on Antimicrobial resistance, at Indian Institute of Science, Bangalore on March 10-11, 2008.
- XVII Lancefield International Symposium on *Streptococci* and Streptococcal Diseases (XVII LISSD) that will be held during 22-26 June 2008 at Porto Heli in the Argolis region of the Peloponnese, Greece.
- IISc: **One Hundred Years and Beyond**. The Indian Institute of Science Centenary Conference in December 13-16, 2008, IISc campus, Bangalore-India.
- BIOSASTRA-National Seminar Feb 3<sup>rd</sup> 2010.
- "Lake Kolleru- The Wetland Ecosystem: Conflict between Environ & Development" during 2<sup>nd</sup> & 3<sup>rd</sup> February, LKCDE- 2011, Machilipatnam.
- Int. Conf. Biodiversity & Aquatic Toxicol, Feb 12-14<sup>th</sup> 2001, Vijayawada-AP.

## Training Programs attended

- 1 week training on "Research Animal Handling" (Biosafety guidelines for working with laboratory animals and/or animal tissues, Australian code of practice for the care and use of animals for scientific purposes) at QIMR and The University of Queensland (St.Lucia campus) Brisbane-Australia.
- 1 month training at Bacterial Pathogenesis laboratory, Queensland Institute of Medical Research, Brisbane, Australia) as a Visiting Scientist on Molecular epidemiology of Group A and Group G Streptococci (*emm* typing, *vir* typing, Multilocus sequence typing (MLST).
- 1 month training program on Animal Handling at Central Animal Facility, Indian Institute of Science Bangalore.
- 2 weeks training program on handling pathogenic microorganisms at Dept of Clinical Microbiology, Christian Medical College- Vellore.

## UGC-ASC Orientation Course

- Attended 25<sup>th</sup> UGC –Orientation Course –Academic Staff College, JNTU Hyderabad, (15-12-2011-11-1-2012).

## Collaborations

- Dr. Kotresh- Institute of Research in Molecular Medicine (INFORMM), Universiti sains Malaysia,
- Prof. Thangam Menon, University of Madras, Guindy campus
- Dr. Viswanath chaitanya, Gitam University.

## Personal Details

**Name** : Veera Bramha Chari Pallaval.  
**Father's Name** : Eswara Chari Pallaval  
**Date of birth** : 10<sup>th</sup> July 1978  
**Gender** : Male  
**Marital status** : Married  
**Blood Group** : O (+) Positive  
**Nationality** : Indian  
**Passport Details** : E8683651  
Issue date: 29-04-2004  
Expiry date: 28-04-2014  
**Permanent Residential Address:** # 5-2-96, Srikantapuram, Hindupur (Post),  
Anantapur (Dt) Pin-515201,  
Andhra Pradesh, India  
Phone no: 08556 – 222505

### Communication Skills:

English, Hindi, Telugu, Kannada and Tamil

### Other Skills

- Excellent written and oral communication skills
- Quick problem solver with strong perseverance and remarkably a fast learner.
- Good ability to think and work independently and in a group.
- NSS (National Service Scheme) activities

## Mentors/Referees

### Prof. K. S. Sriprakash

Lab Head, Bacterial Pathogenesis Laboratory  
Queensland Institute of Medical Research  
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