

**BRIEF PROFILE OF Dr.B.E.RANGASWAMY  
DEAN RESEARCH & DEVELOPMENT, BIET  
PROFESSOR& HEAD, DEPARTMENT OF BIOTECHNOLOGY**

<b>1. NAME AND DESIGNATION</b>	Dr. B.E.Rangaswamy <sup>Ph.D</sup> Professor & Head
<b>2. SPECIALIZATION</b>	Microbial Biotechnology, Aerobiology, Bio-pollution, Env't. Engineering,
<b>3. AREAS OF EXPERTISE</b>	Aerobiology, Microbiology, Biodiversity, Bioethics and Safety, Palynology
<b>4. PROFESSIONAL AFFILIATION</b>	
<ol style="list-style-type: none"> <li><b>Editor</b>, Journal of Indian Aerobiology from 2010</li> <li>EC-Member(Elected) Indian Aerobiological Society, Kolkata (2007-14)</li> <li>EC member- Society for Cytologists and Genetics in India (2012-14)</li> <li>Life member: Indian Aerobiological Society, India</li> <li>Member –Aerobiology committee of Asia Pacific Association of Allergy, Asthma and Clinical Immunology (APAAACI)</li> <li>Life Member: Indian Society for Technical Education</li> <li>Founder member –Habitat Academy, Bangalore, India</li> <li>Member Editorial Committee : The National Journal “Biovistas” and Indian Journal of Aerobiology, New Delhi</li> <li>Referee <i>Aerobiologia published by Springer</i> International Journal of Horticulture,</li> <li>Treasurer, Karnataka Rajya Vignana Parishath Davangere Science Centre</li> <li>Secretary, Davangere Upa Pradeshika Vignana Kendra, Davangere</li> <li>Chairman, BoS in Biotechnology (UG&amp;PG), <b>Davangere University</b>(2012-2016)</li> <li>V.T.U. Appointed BoE member for Biotechnology course (2007-08 &amp; 2010-11)</li> <li>V.T.U. Appointed BoE Chairman for Biotechnology course (2011-12)</li> <li><b>VTU Appointed BoS member for Biotechnology Course</b>( 2013-2016)</li> <li>Advisor, Davangere District Parisara Mitra School Programme</li> <li>Member, <b>Board of Studies, Mysore University</b>, (2013-2016)</li> </ol>	
<b>5. SPONSORED/RESEARCH PROJECTS</b>	
Major Projects: <b>05</b> , Minor Projects : <b>14</b>	

**MAJOR PROJECTS:**

1. He has completed one major project "Socio Economic Development of through Vermicomposting and Beekeeping in Davangere District" (**13.2 lakhs**) sponsored from Department of Biotechnology, Govt. of India on bio-composting
2. Currently he is guiding two research students as **principle mentor** and Research Guide working under Women Scientist Scheme (WOS-A) of Department of Science & Technology, New Delhi Govt. of India from 2012-2015

**Project 1:** *Fermentative Production of Microbial Cellulose*" (project cost **22.40 lakhs**)

**Project 2:** Atmospheric Microbial Diversity with particular reference to allergic Pulmonary infections in Davangere" (Project cost **21.20 Lakhs**)

3. All India Council for Technical Education, New Delhi has sanctioned major project with 15.74 lakhs
4. AICTE has sanctioned major research project under Research Promotion Scheme "on Bacterial Cellulose production" for **12.65 Laks**
5. Department of Biotechnology, Ministry of Science & Technology has approved the major project submitted

**MINOR PROJECTS:**

➤ Completed following 9 **Karnataka State Council for Science and Technology (KSCST) sponsored student projects** (*Six selected for KSCST Presentation cum Exhibition*)

1. Entitled " Exploration of bacteriophage therapy against the causative agents for human skin infections' 2006-07
2. Entitled "Preliminary investigation on aeromycofloral studies on some libraries in Davangere" 2007-08.
3. Entitled "Aeromycofloral studies of some occupational Sites in Davangere city" 2008-09
4. Entitled "Biotechnological process of composting and field evaluation studies" 2008-09
5. Entitled "Slow Pyrolysis of Kikar for generation of solid, liquid and Gaseous fuels" 2008-09
6. Entitled "Anti cancer activity of some plants. 2009-10
7. Entitled: Production of Ethanol from beetroots. 2010-11
8. Entitled : "Evaluation of Hypoglycemic and antidiabetic activities from selected plants" 2011-12
9. Entitled "*Swietenia mahagoni*- The potential source for the production of biodiesel" 2011-12.

➤ Completed **5 NEAC** awareness projects sponsored from Ministry of Env't. & forest Gov't. of India, New Delhi.

**6. SHORT- TERM COURSE, WORKSHOPS, CONFERENCES ATTENDED & CONDUCTED.**

**SHORT- TERM COURSE, WORKSHOPS, AND CONFERENCES CONDUCTED**

- 1 Member organizing Committee: *International Workshop on Conservation and management of bees for sustainable development and Apiexpo-2003 held at Bangalore during Oct 13-18, 2003.*
- 2 Member Exhibition committee for 90<sup>th</sup> Indian Science Congress held at Bangalore during 3-7 January 2003
- 3 As Science/Research Coordinator at Surana College organized more than 30 Popular Science lectures from distinguished speakers during 2003-05
- 4 As Science /Research Coordinator at Surana College organized two day seminar in Collaboration with Bharathiya Vidya Bhavan's Gandhi Centre for Science & Human Values on "Indian Scientific Heritage" during *Jan 17-18 2005.* (Prof. Roddam Narasimha, Former Director NAL & NIAS delivered Key note address and Dr. H Mahabala, from IIIT, delivered Valedictory address )
- 5 As Science/Research Coordinator at Surana College organized two day seminar in collaboration with Bharathiya Vidya Bhavan's Gandhi Centre for Science & Human Values on "History of Modern Science" held during *Sept 30-1<sup>st</sup> October, 2005.* (Prof. G. Padmanaban, former Director IISc delivered Key note address and Prof. P. Balaram, Director IISc Delivered Valedictory address )
- 6 As Science/Research Coordinator at Surana College organized seminar in collaboration with Karnataka Association for the Advancement of Science (KAAS) on "Science to Technology" held on *January 21 2006* (Prof. U.R. Rao, Space Scientist delivered Key note address and Prof. H. Sharat Chandra, Former Director CCMB, Delivered Valedictory address )
- 7 Member Cultural Committee: Dream India- Sadbhavan India Programme organized for college Students on Sunday, 12th February 2006 at Kanteerva Indoor Stadium Bangalore.
- 8 As Convener organized 'Seminar on Trends in Biotechnology' held at Department of Biotechnology, BIET, Davanagere on November 13<sup>th</sup> 2006
- 9 Worked as joint organizing secretary for National level students symposium on 'Medibiochemexel-2007' held jointly at Department of Biotechnology, Biomedical and Chemical Engineering departments of BIET, Davangere on April 13<sup>th</sup> 2007.
- 10 As an organizing secretary conducted National level students symposium on 'Bio-Nano-Informatics' held at Department of Biotechnology, BIET, Davangere on March 3<sup>rd</sup> 2008.

- 11 As a coordinator organized one day seminar on Modern Science at Bapuji Pre university college, Davangere on 20<sup>th</sup> December 2007.
- 12 As a programme coordinator organized one day seminar in collaboration with IIPC-BIET and ISTE-student chapter on Recent trends in Nanotechnology held at BIET on 20<sup>th</sup> September 2008
- 13 As a coordinator organized one day seminar on Earth-Space-Environment at Bapuji Pre university college, Davangere on November 9<sup>th</sup> 2008.
- 14 As a Davangere Vignana Kendra science programme coordinator organized one day seminar on Modern Science in collaboration with BLR junior college Sirigere on 13<sup>th</sup> September 2006.
- 15 Worked as coordinator of ISRO's Davangere Nodal centre for selection of student participants for 58<sup>th</sup> international Astronomical congress held at Hyderabad during September 24-28<sup>th</sup> 2007.
- 16 As a Davangere Vignana Kendra science programme coordinator organized one day seminar on Science to Technology in collaboration with BLR junior college Sirigere on 19<sup>th</sup> December 2007.
- 17 As a Davangere Vignana Kendra science programme coordinator organized one day seminar on Earth-Space-Forensic in collaboration with BLR junior college Sirigere on 8<sup>th</sup> November 2008.
- 18 As a Davangere Vignana Kendra science programme coordinator organized one day seminar on Space Astronomy in collaboration with Taralabalu composite junior college & Anubhava Mantapa college at Shamanur Shivashankarappa Samudaya Bhavan on 19<sup>th</sup> January 2009
- 19 As an organizing secretary conducted National level student's symposium NITHANTHA: Emerging Trends in Biotechnology held at Department of Biotechnology, BIET, Davangere on March 17<sup>th</sup> 2009.
- 20 I was instrumental in organizing interaction Programme of Students with India's Moon dreamers: Chandrayaan scientists on 3<sup>rd</sup> February 2009 during Taralabalu Hunimme mahotsava held at Davangere between 1<sup>st</sup> to 9<sup>th</sup> February 2009.
- 21 Organizing Secretary, Nanobiotech2009; The National Conference on Nanobiotechnology: Applications in medicine held at SSIMS&RC, Davangere during 28-30<sup>th</sup> November 2009.
- 22 Convener for National level student's symposium on BIOSATUM 2010 held at Department of Biotechnology, BIET Davangere on 30<sup>th</sup> April 2010.
- 23 Treasurer, two day seminar on 60<sup>th</sup> national conference on occupational health during 27-28<sup>th</sup> June 2010

- 24 Coordinator of the Workshop jointly organized with KSCST on Recent trends in quality and sustainable management for public works department on 15-16 September 2010.
- 25 Organizing secretary, Aerobiology: 2010: 16<sup>th</sup> National conference on Aerobiology and national symposium on biotechnological applications in Env't. Management and medicine held in the department during November 19<sup>th</sup> -21<sup>st</sup> 2010.
- 26 Coordinator, FDP on Reengineering Of Environmental Impact Assessment sponsored by VTU and VGST, Govt. of Karnataka, March 4<sup>th</sup> -7<sup>th</sup> 2011.
- 27 As Coordinator organized Chemical Sciences Subject Expert Committee meeting of Women Scientist Scheme (WOS-A), Department of Science & technology, Govt. of India on May 28-29, 2011.
- 28 As Coordinator organized Earth & Atmospheric Sciences Subject Expert Committee meeting of Women Scientist Scheme (WOS-A), Department of Science & technology, Govt. of India on July 19<sup>th</sup> 2011
- 29 As Coordinator organized VTU level Women Scientist Scheme of DST Sensitization Meeting sponsored by Department of Science & technology, Govt. of India at VTU Head Quarters on July 20<sup>th</sup> 2011
- 30 Coordinator VTU-VGST Sponsored FDP programme on "Nanotechnology" held at VTU head quarters Belgaum during April 11<sup>th</sup> to 15<sup>th</sup> 2012.
- 31 Convener for National Symposium Biotechnology and Biochemical Engineering and carrier opportunities in biotechnology BIOSATUM -2012 held at Department of Biotechnology, BIET Davangere on May 11-12, 2012.
28. Convener, UGC sponsored national Seminar on Applications of Biotechnology in Health held during July 16<sup>th</sup> 2012 at DRM Science College Jointly
29. Convener, UGC sponsored national Seminar on Applications of Biotechnology in Health held during February 13<sup>th</sup> 2013 at A.V.K. College for women jointly.
30. As programme coordinator organized KSTA sponsored two day workshop on "Carrier and research opportunities in biotechnology between October 19-20<sup>th</sup> 2014.

#### **7. CONFERENCES/SEMINARS ATTENDED/ RESEARCH PAPER PRESENTED AND TECHNICAL SESSION CHAIRED**

1. Participated in "5<sup>th</sup> International Conference on Aerobiology" held at Bangalore, India, during 10<sup>th</sup> to 15<sup>th</sup> August 1994.
2. ***Presented a Research paper*** in a "National Conference on Apiculture and First Karnataka Honey festival" held at Bangalore during 6<sup>th</sup> to 8<sup>th</sup> January 1997.
3. Participated in Workshop on "Genetics-better life for all" was held auspices of society for applied genetics and Bangalore University on 21<sup>st</sup> February 1998.

4. ***Presented a Research paper*** in "10<sup>th</sup> National Conference on Aerobiology and its application" held during 20-22 December 1999 at Andhra University Visakhapatnam.
5. Participated in "4<sup>th</sup> National Conference of Indian Academy of Allergy" held at Bangalore from 5<sup>th</sup> May to 7<sup>th</sup> May 2000.
6. ***Presented a Research paper*** in " National Seminar on Non-Timber Forest Products of Eastern and Western Ghats-2000" conducted by Kerala Forests and Wildlife Department, Government of Kerala from 25<sup>th</sup> to 27<sup>th</sup> May 2000 at Forest Head Quarters Thiruvananthapuram.
7. ***Presented a Research paper*** in 2<sup>nd</sup> International Conference on Environment and Health organized by Karnataka Environment Research Foundation & Lakeside Education Trust during 4<sup>th</sup> to 6<sup>th</sup> December 2000.
8. ***Presented a Concept Note*** in "National Symposium on Problems and Prospects of Environment in the New Millennium" held at the Department of Biosciences, Mangalore University, during December 14-16, 2000.
9. Participated in "Eighth All India Conference on Cytology and Genetics" held in Bangalore during January 23-25, 2001.
10. Participated in one day Seminar on "A Holistic approach "Plants for posterity" organized by department of Botany, Bangalore University during July 31<sup>st</sup> 2001.
11. ***Presented a Research paper*** in ICAAI Conference 2001organised by Department of Respiratory Medicine, Medical College, Trivendrum.695 011, during 3<sup>rd</sup> to 6<sup>th</sup> October 2001.
12. ***Presented a Research paper*** in "National Seminar on Environmental Pollution and Control" organized by NSEEC, held at Belgaum, Karnataka during 19<sup>th</sup> November 2001
13. ***Presented a Research paper*** in "NSE-11" organized by Rajasthan College of Agriculture and BARC held at Udaipur during 5<sup>th</sup> to 7<sup>th</sup> June 2002.
14. ***Presented a Research paper*** in "National Conference on Biodiversity of Past and Present" held at Lucknow, organized by Palaeobotanical Society during 28-29 November 2002.
15. ***Presented a Research paper*** in "90<sup>th</sup> Indian Science Congress Association" at Plant Sciences section held at Bangalore during 3-7 January 2003.
16. Participated in "International workshop on conservation and management of Bees for sustainable development and Apiexpo-2003" held at Jnana Jyothi convention Hall, Central college campus, Bangalore University, Bangalore, India during October 13-18, 2003.
17. Participated in "37<sup>th</sup> National convention of the Indian college of Allergy, Asthma & Applied immunology" held at Astra Zeneca (R&D Dept), Bangalore, during December 12-

- 14, 2003.
18. Underwent a training course in "**Human Resource Development**" conducted on July 14<sup>th</sup> -16<sup>th</sup> 2000 at Bangalore University Bangalore.
  19. Participated in "**Faculty Development Program**" organized by ICFAI University at Bangalore on March 20, 2004.
  20. Participated in symposium on **Career Opportunities in Biotechnology** organized by Govt. Science College, Bangalore On 17<sup>th</sup> July 2004
  21. Participated in Symposium on **Perspective in Intellectual Property Rights** organized by Govt. Science College, Bangalore
  22. Participated as trainee at National Workshop '**Techniques in Microbiology & Molecular biology 2005**' organized by AstraZeneca Research Foundation & Maharani's Science College Bangalore between 24-27<sup>th</sup> August 2005.
  23. **Presented Research paper** and Chaired technical session during the **14<sup>th</sup> National Conference on Aerobiology** held at Pt. Ravishankar Shukla University, Raipur, Chattisgarh during 15-17<sup>th</sup> January 2007.
  24. **Presented a research review paper** at '**Aero-Bio-Nano-2007**' a national Symposium on Biotechnology, Aerobiology and Environment held at Aurora's Technological & Research institute, Hyderabad during 29-30<sup>th</sup> March, 2007.
  25. Attended the Nodal Centers meeting on 9<sup>th</sup> April 2007 convened by **Indian Astronomical Society** held at ISRO, Satellite Center, and Bangalore in connection with 58<sup>th</sup> International **Astronomical Congress**.
  26. **Presented Research paper** and chaired technical session during the **15<sup>th</sup> national Conference on Aerobiology** held at Department of life sciences, Manipur University, Canchipur, Imphal during March 6<sup>th</sup> -8 2009.
  27. **Delivered a talk** on *Contamination on Indoor environment with bacteria and fungi in tertiary health care centre* during 5<sup>th</sup> European Symposium on Aerobiology held at **Krakow-Poland during 3<sup>rd</sup> to 7<sup>th</sup> September 2012**.
  28. Presented paper at third IACS Symposium cum Seminar on Canadian Studies organized by DRM Science College in collaboration with Indian Association for Canadian Studies held at Davangere on December 27<sup>th</sup> 2011.
  29. **Presented Research paper** 11<sup>th</sup> All India conference on Cytology and Genetics organized Bangalore University and Society of cytologists and Geneticist in India on January 23-25<sup>th</sup> 2012 at Bangalore University
  30. Participated as invitee in national Seminar on Applications of Science and Technology to Promote Agricultural Growth and Value Addition held at JSS College of Arts, Commerce, and Science, Ooty Road, Mysore during 2-3<sup>rd</sup> December 2012
  31. Delivered an invited talk in 17<sup>th</sup> National Conference on Aerobiology held at MIT campus, Pune during 13-15<sup>th</sup> December 2012.
  32. Presented a paper at 5<sup>th</sup> Annual KSTA conference held at Dayanandsagar College, Bangalore held during 19-20<sup>th</sup> December 2012.

**8. PH. D. GUIDANCE (NO. AWARDED/NO. GUIDED/NO. GUIDING)**

- i) Currently, **following Research students** are working under his Guidance for Ph.D programme

SN	NAME OF THE STUDENT	RESEARCH TOPIC	STATUS
1	Prakash K.K	Aerobacteriological Investigation of various occupational sites of Davangere.	Completed the Course work and comprehensive Viva voce
2	Francis Fernandes	Aerobiological investigation of various occupational sites of Davangere with particular reference to fungi	Completed the Course work and comprehensive Viva voce
3	Yogitha Seema A.M.	Microbial diversity with particular reference to allergic pulmonary infections in Davanagere	Preparing for the course work
4	Vanitha K.P.	Fermentative production of microbial cellulose	Course work Four subjects cleared
5.	Anil Kumar	Reaction Chemistry	Completed the Course work and comprehensive Viva voce
6	Sujatha M.L	On Acetylcholineesterases	Progress

**9. AWARDS AND ACHIEVEMENTS**

1. He is a recipient of ***P.H. Gregory Award*** instituted by Indian Aerobiological Society Kolkata in 2007
2. Outstanding ***Project of the Year award from Karnataka State Council for Science and Technology (KSCST) -2012.*** (presented at Ujjire)
3. Joint paper by **Prakash and Rangaswamy** was awarded **First Prize (cash award of twenty thousand rupees)** at 5<sup>th</sup> Karnataka Science and Technology Academy, Govt. of Karnataka annual conference held at Dayanand Sagar Institutions Bangalore during 19-



20<sup>th</sup> December 2012

4. **Paul Harish Fellow** by Rotary International, 2010
5. Underwent advanced Indoor Air Quality Training at PUREAIR- Environmental Diagnostic Laboratory, **Clearwater, Florida USA on 16<sup>th</sup> May 2008**
6. Learned Laboratory Techniques for Environmental Microbiology (Bacteriology & Mycology) **between 12<sup>th</sup> -22<sup>nd</sup> May 2008 at Environmental Diagnostic Laboratory, Clearwater, Florida, USA.**
7. Attended 10<sup>th</sup> Basic Course in Aero-microbiology, certificate course from **Roskilde University, Denmark during July 6<sup>th</sup> to 13<sup>th</sup> 2011. (Sponsored by International Association of Aerobiology)**
8. Delivered a talk on *Contamination on Indoor environment with bacteria and fungi in tertiary health care centre* during 5<sup>th</sup> European Symposium on Aerobiology held at **Krakow-Poland during 3<sup>rd</sup> to 7<sup>th</sup> September 2012. (Travel grants received from AICTE)**

**Visited USA as Group Study Exchange-team member**

- Honored with **Certificate of Appreciation by Governor of State Rhode Island and Providence Plantations, USA on 22<sup>nd</sup> April 2008.**
- Honored with **Certificate of Appreciation by Speaker of the Commonwealth of Massachusetts State House, USA on 14<sup>th</sup> April 2008.**
- Honored by Mayor of Quincy-Boston as **“Honorary Citizen of Quincy” USA on 15<sup>th</sup> April 2008 and New Bedford, USA 18<sup>th</sup> April 2008.**

**10 PUBLICATIONS(LAST FOUR YEARS)**

Total Number of Papers Published : **26**

- i. Jayasimha V.L, Niranjan H.P, **Rangaswamy B.E**, Yogesh Babu K.V, Vinod Kumar C.S & Basavarajappa K.G. **2011:** “Bacteriological study of chronic obstructive pulmonary disease amongst allergy induced patients “Indian Journal of Aerobiology, Vol 24, No. 2 pp 91-95 **NAAS impact factor 2.7.**
- ii. Ravishankar, Patil C.G. and **Rangaswamy B.E. 2011.** Screening of ethanolic extract of *Tephrosia purpurea* (Fabaceae) for some Pharmacological activities. Proceedings of Biodiversity and biotechnology for Sustainable Development edited by Lakshman and Hegde, published by Karnataka University, Dhrwad, pp 385-389
- iii. **Rangaswamy B.E**, Francis Fernandes, K.K. Prakash & Manjunath N.S. **2013:** “Variability in airborne bacterial and fungal population in the tertiary health care

- centre" *Aerobiologia from Springer (Impact factor 1.86 )* Vol 29 (4): 473-479
- iv. **Rangaswamy B.E**, Francis Fernandes, K.K. Prakash, Ravishankar B.V. & Shanmukhappa S.S. Occurrence of microbes causing respiratory ailments in the Garden of Davangere. Indian Journal of Allergy, Asthma and Immunology, Jul-Dec 2012 , Volume 26 (2), 61-65
  - v. **Rangaswamy B.E**, K.K. Prakash, Francis Fernandes, and Jayasimha V.L. 2012. Distribution Pattern of Airborne Fungi and Bacteria in the School Environment. *Indian J. Aerobiol* Vol 25. No2 pp 53-58. **NAAS impact factor 2.7.**
  - vi. Manjunath N.S, Dayanand A, Jagannath K.V, Basavarajappa K.G, **Rangaswamy B.E**. 2013. Prevalence of Human Pyogenic Skin Infections, Bacterial Pathogens and their Antibiotic Susceptibility Profile. **J Pub Health Med Res 1(1):37-42**
  - vii. Manjunath N.S, Dayanad A, Jagannath K.V., **Rangaswamy B.E**, Chandrasekhar Sagar, Surya Chandra Rao, Anand S, and Yogesha S, 2013. Characterisation and in Vitro Efficacy studies of wide host range lytic bacteriophage DMPAI infecting *Pseudomonas aeruginosa* isolated from pyogenic Skin infections, **Trends In Biotechnology Research** Vol 2(1), Page 4-11. nnnn
  - viii. Manjunath N.S., Dayanand A., Jagannath K.V., **Rangaswamy B.E.**, Surya Chandra Rao., Anand S., and Yogisha S. (2013). Characterization and in vitro efficacy studies of wide host range lytic bacteriophage  $\Phi$ DMEC-1 infecting *Escherichia coli* isolated from pyogenic skin infections. **Trends in Life Sciences, 2(2): 47- 54.**
  - ix. **Rangaswamy B.E.**, Manjunath N. S, Sujatha M. L (2013). Evaluation of Antidiabetic Activity from Methanolic Extract of Various Herbal Plants of Medicinal Importance. **RGUHS J Pharm Sci** (Vol 3) 4: 58-61.
  - x. Vanitha K.P. and **Rangaswamy B.E**. 2014. Isolation of Cellulose producing bacteria from glucose rich sources. Proceedings of Microbial Product in Diverse Sector published by Bannari Amman Inst. of Technology **ISBN-978-81-920460-6-8** page no 61-64.
  - xi. **Rangaswamy B. E.**, Prakash K. K., and Francis Fernandez. **Aero-microbial assessment with reference to different seasons in a vegetable market** ( paper submitted for publication in Journal of Environmental Biology)
  - xii. Anilkumar M.R., Shanmukhappa S., **Rangaswamy B.E**. & Revanasiddappa M. Synthesis, Characterization, and Antimicrobial Activity of Some Transition metal complexes with Schiff Base Ligand (Paper submitted to Journal of Applicable Chemistry-ISSN2278-1862)

#### **PAPERS PUBLISHED IN KSCST PROCEEDINGS :**

- i. **Rangaswamy B.E.**, Manjunath N.S, Praveen kumar D.G, Pallavi G.S & Namratha Pai. "In vitro Anti cancer activity of some selected herbal extracts. 33<sup>rd</sup> series: SPP: KSCST

pp 34-35, 2009-2010.

- ii. Ghazala A., Manasa N., Sabahath N.T., Shantha B.T, Manjunath N.S., Sujatha M.L., **Rangaswamy B.E.** Evaluation of Hypoglycemic And Antidiabetic activities from selected plants. 35<sup>th</sup> Series SPP: KSCST: pp 58-59, 2011-12.
- iii. Ravishankar, B.V., **Rangaswamy, B.E.** Manjunath N.S., Amrutha S.C., Ashwini M., and Krutika M Nagaraj. Swietenia mahagoni- The potential source for the production of biodiesel. 35<sup>th</sup> Series SPP: Biofuel Engineering-KSCST: pp 55-56, 2011-12

## **10. COUNTRIES VISITED**

**United States of America, Denmark, Sweden, France, Germany, Poland**

## **11. CONTACT DETAILS**

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