


Name	<b>Dr. R. Babujanarthanam</b>	
Father Name	K.M. Ranganathan	
Date of Birth & Age	01.07.1972 & 46 yrs.	
Designation	Associate Professor	
Office Address	Department of Biotechnology, Thiruvalluvar University, (State University) Serkkadu, Vellore -632 115, Tamil Nadu, India.	
Residential & Mailing Address	No. 37, Vaidheeswaran Nagar, Gudiyattam, Vellore District – 632 602 Tamil Nadu, India.	
Academic Qualifications	MSc., M.Phil., Ph.D., PGDEM.	
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Nationality	Indian	

**Teaching Experience** : **23 years**

**Lecturer**, Department of Biochemistry, C. Abdul Hakeem College, Melvisharam, **7 years.**

**Head**, Department of Biochemistry, KMG College, Gudiyattam, **10 years.**

**Associate Professor**, Department of Biotechnology, Thiruvalluvar University, Vellore, 2013-till date.

**Research Experience** : **13 years**

**Research Area/ Specialization(s):**

- Energy Biosciences (Biofuel production)
- Nano Biotechnology

### Research Guidance/ Supervision

Programmes of Study	Completed	Ongoing
Ph.D	02	05
M.Phil	25	02

### 19. Research contributions: M.Phil. : Guided -25 Candidates

#### **BHARATHIDASAN UNIVERSITY, TRICHY.**

1. **R. Narmadha**, Reg. No 06CD 23818, (Aug 2007) Prospective study of high normal creatinine with high normal cholesterol as a risk factor to identify deteriorating renal function.
2. **V. Radha**, Reg. No 06CD23834, (Aug 2007) Evaluation of Rheumatoid arthritis among different age groups its co-relation with serological and hematological Test in South Chennai Population.
3. **J. Vijayaragavan**, Reg. No 06CD 23895, (Aug 2007) Levels of lipid profile among Hypertensive Populations.
4. **P. Radha**, Reg. No 06CD23833, (Aug 2007) Comparative analysis of human and microbial alpha amylase enzyme.

#### **ALAGAPPA UNIVERSITY, KARAIKUDI.**

5. **M. Xavier**, Enr.No.066130880, (March 2007) Kinetic study using phase transfer catalyst.

#### **THIRUVALLUVAR UNIVERSITY, VELLORE.**

6. **M. Priyadarsini**, Reg. No 2931010, (Oct 2009) Effect of PCB (Aroclor 1254) on the mRNA Expression of Trap in calvarial, Vertebrae and Femar of Adult male Wistar Rats.
7. **K. Lakshmi**, Reg. No 2931011, (Oct 2009) Effect of PCB ((Aroclor 1254) on the mRNA Expression of Nrf2 in calvaria, Vertebrae and Femar of Adult male Wistar Rats.

8. **S. Darwin**, Reg. No 2931008, (Oct 2009) Investigation on invasive systemic mycosis and treatment with liposomal Amphotericin B.
9. **M. Janani**, Reg. No 2010008, (Aug 2010) Analysis of Hypoglycemic and Antioxidant Activity of Drugs in Streptozotocin induced Diabetic Rats.
10. **R. Saranya**, Reg. No 2010012, (Aug 2010) Renal Bio Markers in Gentamycine induced Rats treated with Cinnamon.
11. **Suresh**, Reg. No 2010015 (Aug 2010) A study on Medicinal plants and the types of Indian medicine, Identification of Azadirachtin in Azadirachta and Melia Azedarch by TLC.
12. **P. Malathi**, Reg. No 2011036 (Aug 2011) Effectiveness of Selected Herbs in Rat with induced lung infection by Strepto cocus Pneumoniae.
13. **P. Suganthi**, Reg. No 2011042 (Aug 2011) Direct bioconversion of cellulosic wastes to ethanol by using intergeneric fusant strain of *Cellulomonas flavigena* MTCC7450 and *Zymomonas mobilis* MTCC89.
14. **K. Komathi**, Reg. No 2011035 (Aug 2011) Studies on Production, Partial purification and Characterization of extracellular protease from *Bacillus Sp.* And its application in textile industries.
15. **S. Hemalatha**, Reg.No 2012012 (Aug 2012) Optimization of isocrysis galpana growth condition to improve lipid content for the production of biodiesel: optimization through response surface methodology.
16. **N. Jamuna**, Reg. No 2013017 (Aug 2013) Phytochemical and heavy metal analysis and toxicological effects of the ethanolic extracts of *Ruellia Tuberosa* Linn.
17. **P. Aswini**, Reg. No 2013015 (Aug 2013) Poly Beta hydroxyl butyrate (PHB) Biosynthesis in *Bacillus*.
18. **D. Kayal vizhi**, Reg. No 30014M02004 (Aug 2014) Green synthesis of silver nanoparticles from leaf extract of *Luffa acutangula* for enhanced antibacterial activity and evaluation of its cytotoxicity effects.
19. **A. Purandaradas**, Reg. No 30014M2005 (Aug 2014) Conversion of biofuel from the rooster feather fat eco-friendly with the comparison of broiler chicken feather.
20. **K. Thangaviji**, Reg. No 30015M02005 (Aug 2015) Photocatalytic degradation of dye using *Madhuca longifolia* leaves mediated synthesis of copper nanoparticles and its antibacterial activity.

- 21. D. Abilash**, Reg. No 30015M02001 (Aug 2015) Biochemical studies on the effects of high light intensities on the photosynthetic apparatus of the Cyanobacterium, *Synechococcus*.
- 22. P. Samundeswari**, Reg. No 30015FM02005 (Aug 2016) Bioethanol production from mixture of agrobased by products (oil cakes) with acid pre-treatment and fermentation by yeast.
- 23. B. Arthi** Reg No: 30015FM02002 (Aug 2016) Ethanol Production By Using Intergeneric Fusant Strain of *Cellulomonas Flavigena* MTCC7450 and *Zymomonas Mobilis* MTCC89 by Direct Bioconversion from Cellulosic Waste.
- 24. S. Sathiyaraj** Reg No: 30017FM02004 (Aug 2018) Green Synthesis of Silver Nanoparticles Using Vallarai chooranam And Its Evaluation of Antibacterial and Antioxidant Properties.
- 25. P. Ghousia Khanam** Reg no: 30017FM02002 (Feb 2019) Eco-Friendly Approach for Gold Nanoparticles Synthesis Using *Borassus Flabellifer* and It's Antioxidant And Anticancer Activity.

**Training undergone (Organized State and National level Seminars, Workshop attended / Refresh Courses / Orientation Courses / Conferences / Symposiums / Congress / Seminars (Oral and Posters presented / Participated)**

**Organized state level seminars:**

1. State level seminar on Bewilder Bio Chem. – 2005 in K.M.G. College, Gudiyattam on 2<sup>nd</sup> - 3<sup>rd</sup> December 2005.
2. State level seminar on Trends in Bio Sciences (TIBS – 06) in K.M.G. College, Gudiyattam. On 21<sup>st</sup> - 22<sup>nd</sup> December 2006.
3. State level seminar on Trends in Biosciences (TIBS – 08) in K.M.G. College of Arts and Science, Gudiyattam on 5<sup>th</sup> March 2008.

**Organized National Level Conferences**

1. National Conference on Recent Trends in Chemical and Biological Sciences in K.M.G. College of Arts and Science, Gudiyattam on 23<sup>rd</sup> & 24<sup>th</sup> of January 2009 (souvenir released).

2. National Conference on Recent Trends in Biochemistry in K.M.G. College of Arts and Science, Gudiyattam on 24<sup>th</sup> February 2010 & Souvenir released.
3. National Conference on Recent Trends in Biochemistry in K.M.G. College of Arts and Science, Gudiyattam on 15<sup>th</sup> October 2010.
4. Organizing committee member in Recent advances in Biotechnology-2015, Department of Biotechnology, Thiruvalluvar University.

### **Organized International Conferences**

1. Organizing committee member in Recent advances in Bio medical technology-2016, Department of Biotechnology, Thiruvalluvar University.
2. Organizing committee member in Recent advances in Bio resource technology-2017, Department of Biotechnology, Thiruvalluvar University
3. **Organizing Secretary** in Recent advances in Bio medical technology (RABT) on Aug 29<sup>th</sup>-31<sup>st</sup>, 2018, Department of Biotechnology, Thiruvalluvar University
4. **Convener**, International conference on Recent Trends in Science and Technology on 21<sup>st</sup>-23<sup>rd</sup> sep-2018, AIMST University, Bedong, Kedah, Malaysia.

### **Workshop:**

1. National work shop on antidiabetic medicinal herbs-screening and assessment, department of biochemistry and biotechnology, Annamalai University, 28<sup>th</sup> march 2009
2. Training Program in Gene win Biotech Hosur, 6<sup>th</sup> to 29<sup>th</sup> May 2013
3. Training Program in Bharath Biotech Internationals limited, Hyderabad, India from 14<sup>th</sup> to 28<sup>th</sup> June 2014
4. Lecture workshop on Mining metabolites from plants to microbes from 29<sup>th</sup> to 31<sup>st</sup> Aug 2016 in VIT University, Vellore
5. National Workshop cum Hands on Training on “DNA Barcoding – Molecular Analysis & Bioinformatics Approaches” at Islamiah College (Autonomous), Vaniyambadi, 07<sup>th</sup> – 10<sup>th</sup> September 2016.
6. Popular Lecture on Biotechnology in VIT University on 1<sup>st</sup> September 2016.

### **Refresh Courses:**

1. Refresh Course attended in the Bharathiyar University, Coimbatore Sponsored by the UGC-HRD Center from 5<sup>th</sup> to 26<sup>th</sup> may 2015.

**Orientation Courses:**

2. DST Familiarization Program for college Teachers, VIT University, Vellore, 11<sup>th</sup> February 2008.
3. Indian Red Cross Society Tamil Nadu branch and Youth Red Cross of Thiruvalluvar University conduct 3 days zonal level orientation program 25<sup>th</sup> to 27<sup>th</sup> Oct 2016 in Thiruvalluvar University.

**National and International Conferences (Presented – Oral and Posters / Participated):**

**National Conferences:**

4. National Conference on A sweet Disease – Diabetes Mellitus, in Muthyammal Educational Institutions, Rasipuram, 6<sup>th</sup> and 7<sup>th</sup> January 2006.
5. National Conference on Biotechnology for Human Development, Ultra sound Mediated Biodiesel from Jatropha oil using calcium alginate immobilized Rhizobusoryzae. in VIT University on 27<sup>th</sup> and 28<sup>th</sup> November 2009.
6. XIXth Annual Conference, Indian society for Artherosclerosis Research on recent Approaches in Artherosclerosis Research, Department of Biochemistry, University of Madras, 16<sup>th</sup> and 17<sup>th</sup> December 2006.
7. National Level 6<sup>th</sup> Biological Conference on Biotechnology: Past, Present & Future, Muthayammal Educational Institutions, Rasipuram, January 5<sup>th</sup> and 6<sup>th</sup> 2007.
8. National Conference on Inter Play of Biological and Chemical Sciences (NCIBCS) Department of Zoology, Thiruvalluvar University, Vellore, 6<sup>th</sup> – 8<sup>th</sup> January 2010.
9. National Conference on “ THE ROLE OF FREE RADICALS IN HEALTH AND DISEASES” at University of Madras, Department of Biochemistry, Guindy Campus, Chennai, 27<sup>th</sup> and 28<sup>th</sup> January 2012.

**Paper presented:**

1. National Conference on “Environmental and Molecular Toxicology” at Indo-American College Cheyyar, 2013.

2. National Conference on “Emerging trends in medicinal plants and herbal products” at Virudhunagar Hindu Nadars Senthil Kumar Anadars College, 2013.
3. National Conference on “Bio prospecting-Discovery of natural bioactive molecules” at DKM College for Women’s College, Vellore, 2014
4. National Conference on “Panmuga Nokil Thirukural” at Thiruvalluvar University, Vellore, 2015.

**Participated:**

5. National Conference on “Higher Education and Research under RUSA & Social science & Non social science research techniques, innovation and research Ethics” at Pondicherry University, 2014
6. National Conference on “Global Trends and Challenges in Biosciences (12<sup>th</sup> National Conferences of IAAM)” at Dr. MGR Janaki college of Arts and Science for Women, Chennai, 2014
7. National Conference on “Innovative Research in Biological Science” at Govt Thirumagal Mills College, Gudiyattam, 2014
8. National Conference on “New Horizon in Plant Biotechnology: Innovative products and applications at VIT Vellore, 2016.

**INTERNATIONAL:**

9. First International Conference, NANOBIO – Tissue Engineering & Stem Cell Research using Nanomaterials, AMRITA VISHWA VIDYA PEETHAM UNIVERSITY, Kochi, Kerala, 17 – 19 February 2009.
10. International Conference on Gene Therapy and Phytotherapy in Modern Medicine, Adhparasakthi College of Arts and Science, Kalavai, 4th January 2011.
11. International Conference on Biosciences – Trends in Molecular Medicine at Dwaraka Doss Goverdhan Doss Vaishnav College, Arumbakkam, Chennai, 7th and 8th February 2012.

**Participated:**

12. International Conference on “ Recent trends in Life Science” at Auxilium College, Vellore, 2013
13. International Conference on “ Cross cultural management in global business “ at Acharya Bangalore B-School and Daito Bunka University, Tokyo, 2013

14. International Conference on “Physiology and Medicine-2014” at Periyar University, Salem, 2014.
15. International Conference on “Converging Biotechnology innovations for health, food and environmental welfare” at Karunya University, 2015
16. International Conference on “Recent trends in biological sciences” at Hajee Karutha Rowther Howdia College, Theni, 2015.

**Paper presentation:**

17. International conference on “Recent Advances in synthetic Biology” at Bishop Heber College (Autonomous), 2015.
18. **Chaired** and poster presented on “Contemporary Research Trends In Mycology And Mycotechnology (CRTMMT-2019)” At Mother Teresa Women’s University, Kodaikanal, 2019

**Poster presentation:**

19. International Conference on “Biomolecules and their prospects at Department of Biotechnology & Microbiology, Selvam Arts and Science College, Namakkal, 2016.

**Symposiums:**

**National:**

20. National symposium – II, EKE – LORE – DIABETOLOGIA’ 06, DKM college for women, 20<sup>th</sup> January 2006.
21. National Symposium on Bioprocessing of Renewable Sources & Vaccine Technology at Adhiparasakthi College of Arts & Science, Kalavai on 21<sup>st</sup> and 22<sup>nd</sup> October 2009.
22. VI Annual Symposium on Bone Health ISBN – 2012 at D.K.M College for women, Vellore, 24<sup>th</sup> January 2012.
23. National Symposium on “Recent Advances in Biomedical Technology” at Thiruvalluvar University, Vellore, 2014.
24. Poster presented in Theranostics in Health and Diseases ,NUS-VIT Symposium, held in VIT on 20<sup>th</sup> -22<sup>nd</sup> July 2017

**International:**

25. International Symposium “Gene to Vial” concept for Biotechnology based health care molecules, VIT University, Vellore, 7<sup>th</sup> – 10<sup>th</sup> February 2010.



26. International Symposium on “Bioscience research for present and future” at Vivekananda College of arts and science for women, 2015.
27. International symposium on Conversion of Aquatic and terrestrial biodiversity from 28<sup>th</sup> -30<sup>th</sup> sep-2016 in Department of Zoology Thiruvalluvar University.

**Congress:**

**National:**

28. 9<sup>th</sup> National level Biological Congress on “Biotechnology: Great Expectation & Achievements” Quercitrin, a Bioflavonoid improves glucose homeostasis in streptozotocin – induced diabetic tissues by altering glycolytic and gluconeogenic enzymes. At Muthayammal College of Arts and Science, Rasipuram, 8<sup>th</sup> & 9<sup>th</sup> January 2010.
29. 10<sup>th</sup> National Level Biological Congress on “PROMISING FACES OF BIOTECHNOLOGY” at Muthayammal college of Arts and Science, Rasipuram, 7<sup>th</sup> & 8<sup>th</sup> January 2011.
30. 11<sup>th</sup> National Level Biological Congress on “BIOSCIENTIFIC TECHNOLOGIES: A Panacea for Human Health & Social Welfare” at Muthayammal College Arts & Science, Rasipuram, 6<sup>th</sup> & 7<sup>th</sup> January 2012.

**International:**

31. International congress on Nutrition in Cardiovascular Diseases, The inhibitory effect of quercitrin, a bioflavonoid on lipid peroxides and Antioxidants status in cardiovascular diseases. CSIR- ICMR sponsored Healthy Heart Annamalai University, in Chidambaram on 15<sup>th</sup> and 16<sup>th</sup> November 2010.
32. Participated and Poster Presented in Industry and Academia meet at 3rd India International Science Festival (IISF) - Oct 2017, Chennai.

**Seminars:**

**National:**

33. National Seminar on Stem cells rain bio'07 at Auxilium College, 14th September 2007.
34. National seminar on Medicinal plants Quercitrin, a Bioflavonoid improves glucose homeostasis in streptozotocin – induced diabetic tissues by altering glycolytic and

- gluconeogenic enzymes in Arignar Anna Government College, Namakkal, 12th September 2009.
35. National Seminar on “Recent Trends in Biochemistry” at Auxilium College, Vellore, 13th October 2009.
  36. National Seminar on Current Innovations and Recent Trends in Cancer Biology (CJRJCB – 2011) at Periyar University, Salem, 24th October 2011.
  37. National Seminar on “Oncojunction – 2011” at Periyar University, Salem, 24th October 2011.
  38. National Level Seminar on “Marine Microbes” at DKM College for women, Vellore, Feb 10, 2012.
  39. UGC Sponsored National Seminar on TRENDS IN RESEARCH at Islamiah College, Vaniyambadi, 18th and 19th January 2012.
  40. Inter society of Biochemistry & Nutrition VI annual Symposium on “BONE HEALTH ISBN – 2012” AT D.K.M. College for women, Sainathapuram, Vellore 24th January 2012.
  41. UGC Sponsored National Seminar on “RECENT TRENDS IN PHYTOTHERAPY” (RTPT – 2012) at Islamiah College, Vaniyambadi 15<sup>th</sup>& 16<sup>th</sup> February 2012.
  42. National Level Seminar on “Herbal Remedies & Health Management” Herbal – 12 at Indo – American College, Cheyyar. 1<sup>st</sup> March 2012.
  43. National Seminar on “Emerging trends in management” at Joseph Arts and Science College, Thirunavalur, 2014.
  44. National Seminar on “Renergy- 2014” at Chennai Trade Center, 2014
  45. National Seminar on “Emerging trends in biological and environmental sciences- 2015” at KMG College of arts and science, Gudiyattam, 2015
  46. National Seminar on “Biozone-2015 Natural products in health and disease” at Sacred heart college(Autonomous), 2015
  47. National Seminar on “Nano carriers for targeted drug delivery” at Vels University, 2015
  48. National Seminar on “Theory and Practice on Standardization of Phytochemicals by HPTLC” at Vels University, Chennai, 2016.
  49. Poster Presented in NUS- VIT Theronostics of Health and Disease in SBST, VIT Vellore Held on 20-22<sup>nd</sup> Jul 2017.

**International:**

50. International Seminar on “Cell, Drug & Nanotechnology, Bioshan’12” at Shanmuga Industries Arts & Science College, Thiruvannamalai, 27th December 2012.
51. Co-Convener, International Conference on Recent Advances in Bioresources Technology RABT-2017, Thiruvalluvar University, Held on 14th -16th Feb, 2017
52. Participated in International seminar on Molecular Basis of Diseases in Islamiah College, Vaniyambadi, Held on 4th Jan 2018.

**State:**

53. State level Seminar on Levels of Lipid profiles among Hypertensive in CAH College, Melvisaram, 5<sup>th</sup> January 2005.
54. State Level Seminar on Insulin Receptor in K.M.G. College, Gudiyattam. 2<sup>nd</sup> & 3<sup>rd</sup> December 2006.
55. State level seminar on recent Trends in Microbiology 2010, Quercitrin, and a Bioflavonoid improves Antioxidant status in Streptozotocin – induced Diabetic tissues in K.M.G. College, Gudiyattam, on 25<sup>th</sup> February 2010.
56. State level seminar on “Current Research in chemistry (CRC10), Department of Chemistry, KMG College Arts and Science College, Gudiyattam, 23<sup>rd</sup> Feb 2010.
57. State level Seminar on “Recent Trends in Biochemistry” with special to Nanotechnology and Oncology. Sacred Heart College, Tirupattur, 16<sup>th</sup> September 2010.
58. State level Seminar on Current Scenario in Microbial Diseases MICRO DESS – 2011 at KMG College, 22<sup>nd</sup> February 2011.
59. State Level Seminar On “Recent Trends in Biochemistry” with special Reference to Neurotoxicity and Bioremediation. Sacred College, Tirupattur, 20<sup>th</sup> September 2011.
60. State Level Seminar on “ Recent Trends in Bioscience “ at KMG college of Arts and science, Gudiyattam, 2013
61. State Level Seminar on “Biodiversity and application of the microalgae” at KMG college of Arts and Science, Gudiyattam, 2013.

**Academic exposure to higher education:**

1. **Member-** Question paper setting board, Dept of biotechnology, Periyar University, Salem.

2. **Member-** Question paper setting board, Dept of biotechnology, Mother Teresa University, Kodaikanal.
3. **Member-** Question paper setting board, Auxillium College (Autonomous), Katpadi, Vellore.
4. **Member-** Question paper setting board, DKM College for women, (Autonomous), Vellore.
5. **Member-** Question paper setting board, St Joseph college of Arts and Science (Autonomous), Cuddalore.
6. **Member-** Question paper setting board, Sacred Heart College (Autonomous), Thirupattur.
7. **Member-** Question paper setting board, Kaleeswari college for women (Autonomous), Sivakasi.
8. **Member** – University Examinations inspection squad, Thiruvalluvar University, Vellore
9. **Member** – Board of Studies in Biochemistry(UG), Thiruvalluvar University, Vellore, (16.04.2010 to 15.04.2013).
10. **Member** – Selection Committee for the arrangement of the Guest lecturer in constituent colleges and PG extension center of Thiruvalluvar University, Thittakudi, 2013-2014
11. **Member** - Board of Studies in Department of Biotechnology, Thiruvalluvar University, from 27.01.2014 - till date.
12. **Member** – Selection committee for Guest lecturers in department of English for constituent Colleges and PG extension centers, Thiruvalluvar University (2014-2015).
13. **Member** – Academic Council, Sacred Heart College (Autonomous), Thirupattur. (2015-2017)
14. **Member** – Passing Board for PG Biotechnology, Thiruvalluvar University.
15. **Member:** New Courses affiliation committee, Thiruvalluvar University affiliated Colleges.
16. **Member:** Academic Council, Thiruvalluvar University, Vellore.
17. **Member:** Anti Ragging Committees, Squads and Monitoring Cell, Thiruvalluvar University
18. **Member:** RUSA, Thiruvalluvar University, Vellore
19. **Member:** Thiruvalluvar University Science Forum, Thiruvalluvar University, Vellore.

## **Membership in Professional /National/ International Bodies:**

- 20. Life Member:** Indian Chemical Society (FICS), India – SF/7054(LM).
- 21. Life Member:** Society for Biotechnologist, India – (L-460).
- 22. Life Member:** Society of Biological Chemists, India(3795)
- 23. Life Member:** Society of Pharmaceutical Education and Research- SPER/LM/TN/248  
**President:** Society of Pharmaceutical Education and Research (Tamil Nadu)

## **HONARS/AWARDS/CERTIFICATES:**

- 1. Best Faculty Award:** 2018, Nature Science Foundation, Coimbatore, Tamil Nadu, India.
- 2. Outstanding Faculty Award:** 2018, AIMST University, Kedah, Malaysia.

## **Countries Visited:**

- 1. Visiting Researcher-** National University of Singapore, **Singapore.** (11- 26 Jun 2015)
- 2. Academic Visitor-** University of Nebraska Lincoln, **Nebraska, USA.** (31 Aug-20 Sep 2017)
- 3. Academic Visitor-** Chulalongkorn University, **Bangkok, Thailand.** (18-30 Jun 2018)
- 4. Invited Speaker-** AIMST University, **Bedong, Kedah, Malaysia.** (21-23 Sep 2018)

## **Special Lecture:**

1. Antidiabetic and Antimicrobial activity of Biosynthesised CuNPs Using panchakavya. Department of Nutrition and Health Science. University of Nebraska Lincoln, **Nebraska, USA.**

## **Research Publications:**

- 1. Ranganathan Babujanathanam,** Purushothaman Kavitha, and Moses Rajasekarapandian. “Quercitrin, a Bioflavonoid improves glucose homeostasis in streptozotocin- induced diabetic tissues by altering glycolytic and gluconeogenic enzymes.” *Fundamental and Clinical Pharmacology*, 24(3), 357-64. 2009. (Impact Factor: 2.08)
- 2. Ranganathan Babujanathanam,** Purushothaman Kavitha, SarikaSasi and Moses RajasekaraPandian (2010) “Ultrasound mediated Biodiesel production from jatropa oil using calcium Alginate Immobilized Rhizopusoryzae.” *Journal of Theoretical and Experimental Biology*, 6 (3 and 4): 225- 34, 2010.

3. **Ranganathan Babujanathanam**, Purushothaman Kavitha, SarikaSasi and Moses Rajasekara Pandian. "Quercitrin, a bioflavonoid increases glucose utilization and altering the carbohydrate metabolic enzymes in streptozotocin-induced diabetic rat tissues." *Journal of Theoretical and Experimental Biology*, 6 (3&4):225-234.2010.
4. **Ranganathan Babujanathanam**, Purushothaman Kavitha, U.S. Mahadevarao and Moses Rajasekara Pandian. "Quercitrin a bioflavonoid improves the antioxidant status in streptozotocin induced diabetic rat tissues." *Molecular and Cellular Biochemistry*, 358(1-2):121-129. 2011. (Impact Factor: 2.38)
5. U.S. Mahadeva Rao, **R.Babujanathanam** and B.Arirudran. "Clinical Evaluation to Assess the Efficacy of Ethanolic Extract of Avocado Fruit on Diabetic Dyslipidemia Studied in STZ- Induced Experimental Albino Rats." *Asian Journal of Research Chemistry*, 4(7) 1131-36. 2011.
6. **R. Babujanathanam** and R. Balabhaskar, U.S. Mahadeva Rao, "Comparative Biochemical Evaluation of Hyperglycemic and Free Radical Scavenging activities of Noni and Spirulina in Streptozotocin induced Diabetic Rat tissues." *Journal of Pharmacy Research* 4(10), 3630-3634. 2011. (Impact Factor: 2.667)
7. **Babujanathanam** and P. Kavitha, "Anti-hyperglycaemic and Antioxidant Role of Quercitrin, a Bio Flavonoid, in Streptozotocin-Induced Diabetic Wistar Rat tissues." *Journal of Pharmacy Research*, Vol 4, 3833-3837. 2011. (Impact Factor: 2.667)
8. Devakumar, R.sankar, R.S.Venkatesan, **R. Babujanathanam**, V.Rekha. "Antinephrotic effect of Morin on cadmium induced nephrogenic poisoning." *Asian Journal of Pharmaceutical and clinical Research*. Vol 4, 16-21, 2011. (Impact Factor: 0.51)
9. **R. Babujanathanam** and P. Kavitha. "Simultaneous Saccharification and Fermentation of Dilute Acid Pretreated Red Algae (*Gelidiellaacerosa*) for Bioethanol Production." *Energy Sources*, Part A, 36:1305–1314, 2014. (Impact Factor: 0.61)
10. P. Aswini, P.Kavitha, A.R. Revathy, **R. Babujanathanam**. "Poly  $\beta$  hydroxyl butyrate (PHB) Biosynthesis in *Bacillus*." *International journal of Pharmaceutical sciences Review and Research*. 28(1), 8-11, 2014. (Impact Factor: 2.19)
11. P. Kavitha, **R. Babujanathanam** and P. Sekar. "Phytochemical mediated Synthesis of Gold nanoparticles." *International Journal of Pharmaceutical Science Invention*. Volume 3, 17-22, 2014.
12. Devipriya Anbumani, P. Kavitha, T.N. Baskaran and **R. Babujanathanam**. "A Case study on Hematological Parameters and Immune system Alterations in Granite

Workers.” *Journal of Current Microbiology and Applied Sciences*, Volume 3(4) 85 - 95, 2016.

13. P.Sumathy and **R. BabuJanarthanam**. “Formulation and Evaluation of Biodegradable sustained Release Aceprophyline Cow Urine Nanoparticle for the Treatment of Asthma” *International Journal of Pharmacy and Analytical Research*, Vol. - 4(2) 155-167, 2015.
14. Abilash. D, Praveena. B, **BabuJanarthanam. R** and Murthy. S.D.S. “High light induced alterations in photosynthetic electron transport activities in the cyanobacterium *synechococcus*6301.” *International journal of plant, Animal and environmental Science*, Volume-5, Issue-3, 57-58, 2015.
15. Dhandapani Kayal Vizhi, Nookala Supraja, Anbumani Devipriya, Naga Venkata Krishna Vara Prasad Tollamadugu and **Ranganathan Babujanarthanam**. “Evaluation of Antibacterial activity and cytotoxic effects of green AgNps against Breast Cancer cells (MCF 7).” *Advances in Nano Research*, Vol. 4, No. 2 (2016) 129 – 143, 2016.
16. G. Arumugam, M. Nagalingam, **R. Babujanarthanam** and A. Panneerselvam. “A Review on Anticancer Efficacy of some Folklore Medicinal Plants used in Tamilnadu.” *Advanced Research Journal of Life sciences*, Vol 2(4): 1-4, 2016.
17. N. Supraja, T.N.V.K.V. Prasad, M. Soundariya and **R. Babujanarthanam**. “Synthesis, characterization and dose dependent antimicrobial and anticancerous activity of phycogenic silver nanoparticles against human hepatic carcinoma (HepG2) cell line” *Aims Bioengineering*, DOI: 10.3934/bioeng.2016.4.425
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