


Name	Dr. R. Babujanarthanam	
Designation	Associate Professor	
Mailing Address	Department of Biotechnology Thiruvalluvar University Serkkadu, vellore -632 115 India	
Academic Qualifications	MSc., M.Phil., Ph.D., PGDEM.	
Employee number	TVU-206	
Contact Phone -Office		
Contact Phone –Personal	+91-7667516171/9443390283	
Contact e-mail(s)	babukmg@gmail.com	

Teaching Experience : 19 years

Research Experience : 11 years

Research Area/ Specialization(s):

- Energy biosciences (Biofuel production)
- Nano biotechnology
- Environmental biotechnology

Research Guidance/ Supervision

Programmes of Study	Completed	Ongoing
Ph.D	-	04
M.Phil	19	02

Research Papers

Published in International Journals	Published in National Journals	Presented in International conferences	Presented in National conferences
14		06	25

Funded Research Projects (Completed)

S.No	Agency	Period		Project Title	Budget (Rs. In Lakhs)
		From	To		

Funded Research Projects (Ongoing)

S.No	Agency	Period		Project Title	Budget (Rs. In Lakhs)
		From	To		

Consultancy Projects

S.No	Agency	Period		Project Title	Budget (Rs. In Lakhs)
		From	To		

Numbers of seminars/ Conferences/ Workshops/ Events attended : 40

Numbers of seminars/ Conferences/ Workshops/ Events Organized : 06

Number of Invited / Special lecture delivered : 02

Number of Books / Chapters / Monographs/ Manuals written : 02

Achievements/ Awards/ Honours :

Membership in Professional /National/ International Bodies:

Member: All India Institute of Medical Technology, Kolkatta.

Member: The International Nonoscience Community

Member: The International Biotechnology Association Community

Life Member: Indian Chemical Society, India – SF/7054(LM)

Life Member: Society for Biotechnologist, India – (L-460)

Member: Board of Studies in Biochemistry (UG), Thiruvalluvar University, Vellore

Member: Board of Studies in BioTechnology (PG), Thiruvalluvar University, Vellore

Additional Responsibilities:

Countries visited:

Others

Patents –

Products developed:

Publications in Journals:

- 1. Ranganathan Babujanarthanam**, Purushothaman Kavitha, and Moses Rajasekarapandian, (2009) Quercitrin, a Bioflavonoid improves glucose homeostasis in streptozotocin-induced diabetic tissues by altering glycolytic and gluconeogenic enzymes. *Fundamental and Clinical Pharmacology*, 24(3), 357-364.
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- 2. Ranganathan Babujanarthanam**, Purushothaman Kavitha¹, Sarika Sasi and Moses Rajasekara Pandian (2010) Ultrasound mediated Biodiesel production from jatropha oil using calcium Alginate Immobilized *Rhizopus oryzae*. *Journal of Theoretical and Experimental Biology*, 6 (3 and 4): 225- 234, 2010.
- 3. Ranganathan Babujanarthanam**, Purushothaman Kavitha¹, Sarika Sasi² and Moses Rajasekara Pandian (2010) 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.
- 4. Ranganathan Babujanarthanam**, Purushothaman Kavitha, U.S. Mahadeva rao and Moses Rajasekara pandian (2011) Quercitrin a bioflavonoid improves the antioxidant status in streptozotocin induced diabetic rat tissues. *Mol Cell Biochem*, 358(1-2):121-129.
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- 5. U.S. Mahadeva Rao, R.Babujanarthanam** and B.Arirudran, (2011) Clinical Evaluation to Assess the Efficacy of Ethanolic Extract of Avocado Fruit on Diabetic Dyslipidemia Studied in STZ- Induced Experimental Albino Rats. *Asian j.Research chem* 4(7) 1131-36.

6. **R.Babujanarthanam** and R.Balabhaskar, U.S. Mahadeva Rao, (2011) 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.

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7. **R.Babujanarthanam** and P. Kavitha, Antihyperglycaemic and Antioxidant Role of Quercitrin, a Bio Flavonoid, in Streptozotocin-Induced Diabetic Wistar Rat tissues **Journal of Pharmacy Research** Vol. 4, 3833-3837 (2011).

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8. Devakumar, R.sankar, R.S.Venkatesan, **R.Babujanarthanam**, V.Rekha. Antinephrotic effect of Morin on cadmium induced nephrogenic poisoning **Asian Journal of Pharmaceutical and clinical Research**. 2011 Dec Vol 4 (16-21)

IMPACT FACTOR .51

9. **R. Babujanarthanam** and P. Kavitha (2014) Simultaneous Saccharification and Fermentation of Dilute Acid Pretreated Red Algae (*Gelidium acerosa*) for Bioethanol Production **Energy Sources, Part A**, 36:1305–1314 **Taylor & Francis Group**,

IMPACT FACTOR - 0.61

10. P.Aswini, P.Kavitha, A.R.Revathy, **R.Babujanarthanam** (2014) Poly β hydroxyl butyrate (PHB) Biosynthesis in *Bacillus* **International journal of Pharmaceutical sciences Review and Research**. 28(1), 8-11.

IMPACT FACTOR 2.19

11. P. Kavitha, **R. Babu Janarthanam**, and P.Sekar(2014) Phytochemical mediated Synthesis of Goldnanoparticles **International Journal of Pharmaceutical Science Invention** Volume 3 Issue 12 December 2014 PP.17-22.

12. P.Sumathy and **R. Babu Janarthanam** (2015) Formulation and Evaluation of Biodegradable sustained Release Aceprophyline Cow Urine Nanoparticle for the Treatment of Asthma **Internatioal Journal of Pharmacy and Analytical Research** Vol -4(2) 155-167

13. Abilash.D, Praveena.B, **Babu Janarthanam.R**, and Murthy.S.D.S (2015) High light induced alterations in photosynthetic electronTransport activities in the cyanobacterium *synechococcus* 6301 **International journal of plant, Animal and Environmental Sciences** Volume-5, Issue-3, July-Sept-2015

Book Published:

Medical lab Technology – Book – ISBN – 819091235 – 5.