

CURRICULUM VITAE

Dr. P. SURESHKUMAR

Professor & Head

Department of Biotechnology

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Area of specialization

- Isolation of natural products for drug discovery and development.
- Production and enhancement of biopolymers /bioactive phytochemicals.
- Network Pharmacological approach for medicinal plants.

Educational Qualifications

Qualification	College/University	Year of completion
Ph.D. (Biotechnology)	Bharathidasan University, Tiruchirappalli	2003
M. Tech (Biotechnology)	Anna University, Chennai	1996
M.Sc.	University of Madras, Chennai	1994

Experience: Academic/Research

Name of Company / Institutions	Position	From	To	Experience in Year
University College of Engineering, BIT-Campus	Professor & Head	19.01.2022	Till Date	3.2
University College of Engineering, BIT-Campus	Professor	22.09.2020	18.01.2022	1.5
Anna University Regional Campus, Tirunelveli	Dean	15.03.2019	21.09.2020	1.8

University College of Engineering, BIT-Campus	Professor	20.08.2015	18.01.2019	3.5
University College of Engineering, BIT-Campus	Associate Professor	19.08. 2012	19.08.2015	3
University College of Engineering, BIT-Campus	Assistant professor (Senior scale)	25.02.2007	18.08.2012	5
School of Engineering and Technology, Bharathidasan University	Lecturer	25.02.2003	24.02.2007	4
School of Engineering and Technology, Bharathidasan University	Lecturer (Contract)	1999	2003	4
Shri. A.M.M Murugappa Chettiar Research Center	Technologist	1997	1998	1
Sartorius Biotech India, Ltd, Bangalore	Executive Technical	1996	1997	1

Fellowships and Grants received

Position	Funding resource	Institution	Duration
Senior Research fellow	Indo-Israel collaborative project	Department of Biotechnology Bharathidasan University	1999-2000

Additional / Academic Responsibilities at University:

S. No.	Name of the Post	University bodies	From	To
1.	Training and Placement Coordinator	University College of Engineering, BIT-Campus, Tiruchirappalli	2004	2009
2.	Executive Warden	University College of Engineering, BIT-Campus, Tiruchirappalli	2012	2014
3.	Coordinator - TEQIP II	University College of Engineering, BIT-Campus, Tiruchirappalli	2014	2017
4.	Institutional Animal Ethics Committee member	University College of Engineering, BIT-Campus, Tiruchirappalli	2016	2017

5.	Camp officer	University College of Engineering, BIT-Campus, Tiruchirappalli	2018	2018
6	Chairman-Anti Ragging Committee 2018 Till Date	University College of Engineering, BIT-Campus, Tiruchirappalli	2018	2019
7.	Dean	Anna University Regional Campus, Tirunelveli	2019	2020
8.	NSS resource person	University College of Engineering, BIT-Campus, Tiruchirappalli	2023	2023
9.	Academic council member	ST. Joseph's college, Tiruchirappalli	2016	2017
		Kavery engineering college , Tiruchirappalli	2017	2018
		Annapurna Engineering college, Salem	2022	2025
		Hindustan College of Engineering and Technology, Coimbatore	2023	2024
11.	External selection committee member	Indian Institute of Food Processing and Technology, Tanjore	2016	2017
		PMIST, Tanjore	2023	2024
			2023	2024
		Bharathidasan University, Tiruchirappalli	2023	2024
12.	Syllabus sub-committee member	Anna University, Chennai	2020	2021
13.	External expert for Academic audit	Holy cross college, Tiruchirappalli Karunya University, Coimbatore	2022	2023
14.	Purchase committee member	PMIST, Tanjore	2023	2024
10.	Board of studies Member	ST. Joseph's college , Tiruchirappalli	2013	2014
		Adhiyamaan College of Engineering, Hosur	2013	2015
		Vinayaka Mission University, Salem	2014	2015
		Dhanalakshmi Srinivasan engineering college Perambalur,	2020	2021
		Bharathidasan university, Tiruchirappalli	2022	2023
		Bharath College of Science and Management, Tanjore	2023	2024
		PMIST, Tanjore	2023	2024

		Kamaraj College of Engineering & Technology, Virudhunagar	2022	2024
		Selvam College of Technology, Namakal	2024	2027
		Hindustan Institute science & Technology, Chennai	2025	2027
		AVIT, Vinayaka Missions Research Foundation, Chennai	2025	2027

Copy Rights/ Patent

S.no	Title	Diary No	Status	Date
1	MATLAB Algorithm for simulation of Biofluid flow over an Inclined Surface (Copy Right)	6398/2023-CO/SW	Granted	11.03.2023
2	Apparatus to detect gastric cancer and biomarker (Patent)	440387-001	Granted	12.12.2024

Research supervision / guidance

Program of study	Completed
PG	25
UG	92
Ph.D.	7
DC	10
Vivo voice	25
Thesis evaluation	25

Research Guidance (Ph.D.) (Completed):

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	S. Ramkumar	Screening, Identification and Characterization of Polyphenol oxidase in tea (<i>Camellia sinensis</i> (L.) O. Kuntze) for selection of Superior Clones in UPASI Germplasm.	2006	19.12.2012

2.	V. Sudershana Deepa	Micropropagation and Antidiabetic effect of <i>Andrographis Lineata</i> Wall. EX.Nees-An Endemic Medicinal Plant.	2007	04.03.2013
3.	K. Kumaraguru	Biosorption of hexavalent chromium using marine algae from synthetic and industrial Wastewater	2009	27.11.2015
4.	K. Rajaram	A Comprehensive approach to explore the antidiabetic potential of <i>Tephrosia tinctoriapers.</i> : an endemic medicinal plant	2009	17.11.2015
5.	Sony Das	Studies on anti-arthritic activity and anti-inflammatory activities of <i>Blepharispermum subsessile DC</i>	2010	12.06.2019
6.	R.V. Meenakshi	Antidiabetic and associated Anti-inflammatory activity of Mehani (a polyherbal formulation)	2016	29.12.2021
7.	V. Tamil Elakkiya	Production and applications of rhamnolipid from <i>Pseudomonas aeruginosa</i> TEN01	2013	30.3. 2022

Research Guidance (M.S/Ph.D.) (Ongoing):

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1	J. Sasidharan	Enhancement and scale up the gingerol content in the <i>Zingiber officinale</i> using gamma radiation and validation of its antidiabetic potential	2021	Provisional conformation
2	G. Arthi	Production and characterization of bio surfactant producing microorganisms	2022	First DC
3	R.Ragavi	Establish and scale up the gingerol content in the <i>Zingiber officinale</i> using photobioreactor and validation of its antidiabetic potential	2022	First DC

Sponsored project

Sl. No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
1	Unraveling the genomic landscape of cattle populations through selection signatures and landscape genomics for climate-SMART sustainable agriculture (Co-Investigator)	PAIR - ANRF	1,00,00,000	5	Applied
2	Biological treatment and Bioremediation of oil-soaked cotton waste from industrial operations at neyveli lignite corporation (Co-Investigator)	NLC	18,72,000	3	Applied
3	Enhancement and scale up the gingerol content in the <i>Zingiber officinale</i> using gamma radiation and validation of its antidiabetic potential (Principal Investigator)	DST-SERB	32,46,000	2018-2021	Completed
4	In vitro regeneration of selected endangered medicinal plants, activity guided extraction, comparative assessment of antidiabetic and antioxidant activity (Principal Investigator)	DST-SERC	20,30,400	2008-2011	Completed
5	Simultaneous silencing of multiple, pro-angiogenic factors to suppress tumor- induced angiogenesis (Co-Investigator)	DBT	72,66,000	2010-2013	Completed
6	Micropropagation and Antioxidant studies in <i>Costus igneus</i> N.E.Br.	TNSCST	10,000	2010	Completed

Workshop/Conference organized

Sl.No	Name of the work	Agency	Amount (Rs)	Year
1	Hands on training on Biopharmaceutical approaches in plant based drug discovery	DBT	300000	2012
2	Integrated Approaches in Drug Discovery and Development – Phytodrugs’ 2023	DST-SERB	125000	2022

Distinctive Achievements / Awards

S. No	Award	Awarded by
1	Best paper	Conference on Biodiversity and Eco restoration held at Bareilly
2	Young Scientist	Department of Science and Technology
3	Young Scientist Travel bursary	CPT, National Research council of Canada
4	APP Young talent	Association of Pharmacy Professional
5	Achievement in research	UCE-BIT campus

List of Seminar / Short Term Course /FDP/ Workshop organized:

1. Member in Organizing a Symposium on Human Genome Project, 2000, Department of Biotechnology, **Bharathidasan University**, Tiruchirappalli.
2. Member in Organizing a Workshop on Plant Tissue culture and gene transfer, 2001, Plant Molecular biology unit, Department of Biotechnology, **Bharathidasan University**, Tiruchirappalli.
3. Member in Organizing an Indo-UK workshop on Molecular biology, 2002, Department of Biotechnology, **Bharathidasan University**, Tiruchirappalli.
4. Member in Organizing a three days national seminar “Current trends in Orienting students towards Industrial project, 2004, School of Engineering & Technology, **Bharathidasan University**, Tiruchirappalli.
5. Coordinator in Organizing a workshop on Fermentation technology in collaboration with Scigenics India Pvt. Ltd, Chennai, 2004, School of Engineering & Technology,

Bharathidasan University, Tiruchirappalli.

6. Organized a National Level Technical symposium “Genesis 2K5”, 2005. School of Engineering & Technology, **Bharathidasan University**, Tiruchirappalli.
7. Member in Organizing a National symposium on recent Advances in Biotechnology, 2010, Department of Biotechnology, **Anna University of Technology**, Tiruchirappalli.
8. Member in Organizing an International workshop on Micronucleus assay with Buccal cells for Human and Environmental Monitoring, 2011, Department of Biotechnology, **Anna University of Technology**, Tiruchirappalli.
9. Course Director for DBT sponsored Short Term Training Program "Biopharmaceutical approaches in Plant Based Drug Discovery", 2012, Department of Biotechnology, Bharathidasan Institute of Technology, **Anna University**, Tiruchirappalli.
10. Delivered an expert lecture on “Biopharmaceutical Approaches in Plants”, Department of Biotechnology (TEQIP II Sponsored FDP on Emerging Trends in Biotechnology), 2013, **Anna University**, BIT Campus, Tiruchirappalli.
11. Resource Person in the Short Term Training Course on Plant Genetic Engineering, Department of Biotechnology and Genetic Engineering, 2013, Bharathidasan University, Tiruchirappalli.
12. Delivered an expert lecture on “Modern Phytomedicine: Plant Based Drug Development for diabetes” in the national level seminar, Herbal Focus 2014“Medicinal plant research – prospects and Challenges” on 2014 at **Srimad Andavan Arts and Science College**, Tiruchirappalli.
13. Resource person in TEQIP–II sponsored two days “International Conference on Modern Progress in Biotechnology” held during, 2014” Department of Biotechnology, **Anna University**, BIT campus, Tiruchirappalli.
14. Chaired a session in TEQIP–II sponsored National conference on Green Engineering and Technologies for sustainable future, 2014, Department of petrochemical technology, **Anna University** – BIT campus, Tiruchirappalli.
15. Chief Guest and delivered an expert lecture on “on Recent trends in Transgenic Technology” in the National conference on Green Biotechnology -EXORIDUUM", 2015, **Government College of Technology**, Coimbatore.

16. Chief Guest and delivered an expert lecture on “Nanoparticle and its antidiabetic activities – an overview” in the Indo – African symposium on Pharmaceutical Nanosciences”, 2015, **JSS college of pharmacy**, Ooty.
17. Resource person for two days FDP on Innovative Teaching & Learning, 2022, organized by IQAC of Indra Ganesan College of Engineering, Tiruchirappalli.

List of Seminar / Short Term Course /FDP/ Workshop attended:

S. No.	Short Term Course	Place	Duration
1.	Participated on two days Group Monitoring workshop under the Fast Track Scheme	Institute of life sciences, Hyderabad	10.02.2011 To 12.02.2011
2.	DBT sponsored Two week Short Term Training Program on “Biomedical applications of RNAi Technology”	Department of Biotechnology, Anna University, BIT Campus, Tiruchirappalli	28.01.2015 To 10.02.2015
3.	TEQIP – II sponsored Two week Faculty Development Program on “Comprehensive Approach of Biotechnological Applications”	Department of Biotechnology, Anna University – BIT campus, Tiruchirappalli	16.04.2015 To 29.04.2015
4.	TEQIP –II Sponsored Two Week Faculty Development Programme on “Nanotechnology Applications in Engineering and Technology (NAET’15)”	Department of Petrochemical Technology, Anna University – BIT campus, Tiruchirappalli	06.05.2015 To 19.05.2015
5.	TEQIP–II Sponsored Two week Faculty Development Programme on “Frontiers Research in Applied Sciences (FRAS’15)”	Department of Chemistry, Anna University – BIT campus, Tiruchirappalli	03.06.2016 To 16.06.2016

6.	TEQIP – II Sponsored Two week Faculty Development Programme on “Implications of Chemical and Biological Sciences (ICBSB’16)”	Department of Biotechnology, Anna University – BIT campus, Tiruchirappalli	22.06.2016 To 05.07.2016
7.	Workshop on Advances in Rheology in associations with Anton Paar India Pvt.Ltd.,Gurgaon	Department of Pharmaceutical Technology, Anna University – BIT campus, Tiruchirappalli	8.07.2016
8.	FDP on AI and Deep Learning	Online mode Organized by PDPM IITDM, Jabalpur, MNIT Jaipur, IIT Roorkee, IIT, Guwahati, NIT Patna and NIT Warangal	01.02.2025 To 23.02.2025

National / International Conferences organized / Participated:

National Conferences:

1. **P.Sureshkumar** organized two days national conference In association with DST-SERB on Integrated Approaches in Drug Discovery and Development – Phytodrugs’ at UCE, BIT – Campus, Tiruchirappalli, February 2023
2. Selvakumar M, Sasidharan J, Meenakshi RV and **Sureshkumar P**, In-Silico molecular docking analysis of *Zingiber officinale* phytoconstituents against rheumatoid arthritis, National conference on Sustainable Development with pharmacological research and innovations at **JSS College of pharmacy**, Ooty, 2018.
3. J.Sasidharan, R.V.Meenakshi, E.Kavitha Sivaguru, **P.Sureshkumar**, Green synthesis, characterization and In Vitro antioxidant and Antidiabetic activity of silver nanoparticles using a polyherbal formulation- MEHANI. Proceedings released at TEQIP II sponsored International conference on advances in Biological, Chemical and Physical Sciences (ABCPS), **Anna University**, Tiruchirappalli, 2018,
4. R.V.Meenakshi, **P.Sureshkumar**, “Review on Network Pharmacology Based Approaches

- in Treating Diabetes”. Proceedings released at International conference at National Institute of Ayurveda, Jaipur, 2017.
5. **P.Sureshkumar**.,Soni Das. "Micropropagation of *Tephrosiatinctoria* Pers.: An endemic medicinal plants" BIOKUMBH 2016 – A National Conference on Recent Trends and Advances in Biotechnology, 2016, **University of Allahabad**.
 6. **P.Sureshkumar**, Sobana Mohan, Rajaram Krishnasamy "Apoptotic effect of *Tephrosiatinctoria* Pers. in breast cancer cell line and its molecular dockings studies with anticancer targets. National conference on "Recent Developments in Medical Biotechnology and Structure based drug designing" at Department of Biosciences and Biotechnology, **IIT Guwhati**, 2015.
 7. **P.Sureshkumar**, Soni Das. Anti-oxidant and anti-arthritis activities of methanolic extract of *Blepharispermum subsessile* DC: a medicinal plant. International conference on Emerging Trends in Biotechnology (ICETB-2014), **Jawaharlal Nehru University**, New Delhi.
 8. K.Kumaraguru and **P.Sureshkumar**,"Response surface methodology approach for optimization of biosorption process for removal of Cr (VI) by brown marine algae and applicability in isotherms and thermodynamics modeling” International Conference on Green Technology for Environmental Pollution Prevention and Control” , 2014, organized by **NIT**, Trichy,
 9. Keerthana M, Rajaram K, Dinesh K, **Sureshkumar P**. In silico anticancer studies of bioactive compounds in *Tephrosiapurpurea* Pers. 6th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design", 2014, **Alagappa University**, Karaikudi, Tamil nadu, India.
 10. K.Kumaraguru and **P.Sureshkumar**, “Biosorption of chromium (VI) ion from aqueous solution using brown marine algae” International Conference on biotechnology and human welfare – 2013 organized by **Sastra University**, Thanjavur.
 11. Sobana M., Rajaram K., **Sureshkumar P**. In silico and hairy root induction studies in *Tephrosiatinctoria* Pers. for anticancer activities. National symposium cum workshop on “Recent trends in structural bioinformatics and computer based drug designing”, 2013, **Alagappa University**, Karaikudi.
 12. **P.Sureshkumar**, C.Jeyajothi, V.Sudarshana Deepa, K.Rajaram. In vitro antioxidant and anticancer activity of *Costus igneus*.E.Br.Indian science Congress, 3-Jan7,2011, **SRM University**, Chennai.
 13. K.Rajaram, D.Priya, S.Latha, V.Sudarshana Deepa and **P. Sureshkumar**. *In vitro* regeneration of *Carallumafimbriata* Wall by organogenesis Zonal Conference on Plant Physiology, VIT Vellore.
 14. V. Sudarshana Deepa, K.Rajaram, **P. Sureshkumar**. High frequency regeneration and shoot multiplication in *Andrographislineata* Wall. ex.Nees: An endemic medicinal Plant. Zonal Conference on Plant Physiology, 2010, **VIT Vellore**.

15. **P. Sureshkumar**, S. Srinivasan, A. Benno Susai Vijayakumar, V. Sudarshana Deepa, A. Prabhakaran “Anti hyperglycemic activity of *Cinnamomum macrocarpum* (Hook F)”, National conference on Diabetes mellitus and Cancer(Dia-Can’08) , 2008. **Annamalai university**, Chidambaram
16. S.L.Revathi, V.Sudarshana Deepa, **P.Sureshkumar**. Antibacterial activity *Andrographis serpyllifolia*. International conference on frontiers in biomedical science, 2009, **Holy Cross College**, Tiruchirappalli.
17. V.Sudarshana Deepa and **P. Sureshkumar**. *In vitro* antioxidant activity of *Andrographis lineata* Wall ex Nees..International conference on frontiers in biomedical science, 2009, **Holy Cross College**, Tiruchirappalli.
18. **P. Sureshkumar**, S. Srinivasan, A. Benno Susai Vijayakumar, V. Sudarshana Deepa, A. Prabhakaran “Anti hyperglycemic activity of *Rhizophoramucronata*: International Herbal Conference, 2009,**IISC**, Bangalore.
19. **P. Sureshkumar**, V. Sudarshana Deepa, S. Srinivasan, A. Prabhakaran P.Selvamani, and S.Latha.“Antioxidant studies on ethanolic extract on *Commiphoraspp*”.International Conference on Translational Pharmacology and 41st Annual conference of Indian Pharmacological Society, 2008, **AIIMS**, New Delhi,India.
20. **P. Sureshkumar**, S. Srinivasan, A. Benno Susai Vijayakumar, V. Sudarshana Deepa, A. Prabhakaran “Anti-hyperglycemic activity of *Cinnamomum macrocarpum* (Hook F)”International Conference on Translational Pharmacology and 41st annual conference of Indian Pharmacological Society, , 2008, **AIIMS**, New Delhi, India.
21. H. Abirami, **P. Sureshkumar**. and A. Settu: *In vitro* regeneration and extraction of secondary metabolites in *Aeglemarmelos*(L.) Correa .Symposium on Bioresources in the Development of medicine & 28th Annual conference of **Indian Association of Biomedical scientists**, 2007.
22. S.Sucheta, G .Bupesh, **P. Sureshkumar**. and R.Nelson : Evaluation of Antidandruffactivity using Polyherbal Oil (medicinal plants), Vision on rural water, Life environment for the 21st Century (VRWLE), 2007,Department of Geology, **Bharathidasan University**, Tiruchirappalli-24.
23. G.Bupesh, **P. Sureshkumar**, P.Gunasekaran, K. Saravanamurali: HepatoprotectiveEfficacy of *Hypeneamuciformis* on aflotoxin Induced toxicity in rats , International Conference on Biotechnological Approaches in Bioresource Management(ICBABM- 07),2007, Department of Biotechnology, **Bharathidasan University**, Tiruchirappalli-24.
24. **P.Sureshkumar**, K.Sankaran, P.Rajaguru and R.Girija: Identification and detection of enteropathogenic *E.coli*(epec) infection in diarrhoeal patients (infants) National three day national conference on Path to Health – Biotechnology Revolution India, 2005, **Anna University**, Chennai.
25. **P. Sureshkumar.**, Selvaraj, Kasturirengan, A. Ganapathi: “Expression of GUS and NPT-II

- genes in cucumber (*Cucumis*
26. *sativus*)” National Symposium on Transgenic crops in Pest Management, 2005, Department of plant molecular biology and Biotechnology, **Tamil Nadu Agricultural University**, Coimbatore.
 27. **P. Sureshkumar**, M. Liakath and R. Mahaveer: “Extraction of stevioside from *Steviarebundiana*—a natural sweetner”.National level seminar on Emerging trends in industrial biotechnology “BioXplore’05, **Periyar Maniammai College of Technology for Women**, Tanjore.
 28. **P.Sureshkumar** and C. Saravanakumar: “Studies on Enteropathogenic E.coli pathogenesis using virulent and attenuated strains”. Indo-Australian Conference on Biotechnology in infectious diseases, 2005, Kasturba Medical College, **Manipal Academy of Higher Education**, Manipal.
 29. Biotechnology, 2005, Vivekananda College of Engineering for Women, Elayampalayam, Tiruchengode. M.Vivekanandan, A.Saravanan, **P.Sureshkumar** B.Anand, M.Devatha: “Engineeringcrops for tolerance to abiotic stresses”: Paper presented on the National level Seminar, 2005, Department of Plant Science, **Bharathidasan University**.
 30. M.Vivekanandan, M.Devatha, **P.Sureshkumar** and **B. Anand**: “Transgenic plants for edible vaccine production”. Paper presented at the National level Seminar on “Biotechnology update for Teachers/ Researches”, 2004.Department of Plant Science, **Bharathidasan University**.
 31. M.Vivekanandan, **P. Sureshkumar**, B. Anand and M. Devatha: Pharmacogenomics and drug development” International Seminar ‘Current Trends in Biological Scenario, **Vellalar College of Arts & Science**, Erode, 2004
 32. M.Vivekanandan, **P. Sureshkumar**, B. Anand and R. Thenmozhi: “Global warming, its impact and mitigation measures”, National Level Seminar ‘Induction on Traning Programme in Environmental Engineering’, 2004, **Periyar Maniammai College of Technology for Women**, Tanjore.
 33. M. Vivekanandan, **P. Sureshkumar**, B. Anand and M. Devatha. “Current applications of nanotechnology in medicine”. National Level Seminar on “Special Lectures on Bio-Sciences”, 2004, Department of Biotechnology, **Bharathidasan University**, Tiruchirappalli.
 34. M. Vivekananda, **P. Sureshkumar**, M. Devatha, B. Anand and Abdul Hameed. “Applications of nanotechnology in biotechnology”. International Seminar on “Challenges and applications in Biotechnology, 2004, **Thanthai Hans Roever College**, Perambalur.
 35. M. Vivekananda, P.Sureshkumar, M. Saravanan and B. Anand. Atmospheric N₂ fixation in blue green algae”, National Symposium on “MicroalgalBiotechnology, 2004, NFMC, **Bharathidasan University**, Tiruchirappalli.
 36. **P.Sureshkumar** and B. Anand. “Scenario of Indian Biotech Industries”; Proceedings of a

National Level Seminar on “Current Trends in Orienting Students towards Industrial Project”, 2004, SET, **Bharathidasan University**.

37. **P. Sureshkumar**, B. Anand and N.Vaijayanthi. “Applications of biometrics in human identification”; Proceedings of a National Level Seminar on “Current Trends in Orienting Students towards Industrial Project”, 2004, SET, **Bharathidasan University**.
38. N. Selvaraj, G.Vengadesan, **P. Sureshkumar**, R. PremAnand and A. Ganapathi Enhanced somatic embryogenesis and plant regeneration of *Cucumis sativus* suspension culture. National Conference on Plant Biotechnology, Biodiversity and Ecorestoration for Global Prosperity, 2000, Bareilly, India.

International Conferences:

1. **P. Sureshkumar**, S. Sucheta, V. Sudarshana Deepa, P. Selvamani and S. Latha: Effect of polyherbal hair oil in the treatment of dandruff. World conference on Clinical Pharmacology and Therapeutics– CPT, 27th July- Aug 1st, 2008 Quebec, Canada.
2. **P. Sureshkumar**, N. Selvaraj, Kasturirengan, A. Ganapathi: Agrobacterium mediated transformation in Cucumber (*Cucumis sativus* L): 2006 *In vitro* Biology Meeting, Minneapolis Hilton Inn Minneapolis, Minnesota, USA. June 3-7, 2006.
3. **P. Sureshkumar** participated on 1st International Conference On Challenges In Higher Education For The Underprivileged – A Global Perspective organized by the SC-ST cell and Nodal Office, 12 – 14 April 2023, Anna University.

Publications: Books / Book chapters

S. No.	Authors	Title of the Book chapter	Publisher and ISBN No
1.	D. C. Aiswarya, K. Rajaram and P. Sureshkumar	Biosynthesis of silver nanoparticles using <i>Tephrosia tinctoria</i> for antibacterial activity against multidrug resistant pathogens” Nanobio Pharmaceutical Technology: Applications and Perspectives. (2014), PP 105-110	Elsevier, Reed Elsevier India Pvt Ltd. ISBN: 978-935-107-293-5
2.	K. Rajaram and P. Sureshkumar	Comparative Assessment of in vitro antioxidant and Antiproliferative activity in <i>Morinda citrifolia</i> fruit and commercial juice". Biotechnological approaches for sustainable development" (2015), PP 201-210	Regency publications. Astral International (P) Ltd, New Delhi. 9788189233938

3.	P. Sureshkumar, B.Anandraj and S.Rajasekaran	Handbook on Molecular and Analytical Techniques in Biotechnology, (2016)	SELP Publication, Tiruchirappalli. 978-93-80509-82-2
4.	V Tamil Elakkiya, K Rajaram, RV Meenakshi, K Ravi Shankar ,P Sureshkumar	Green Synthesis of MgO Nanoparticles Using <i>Sesbania bispinosa</i> and Its In Vitro Effect on Chlorophyll Content in Long Bean Plant	Green Synthesis of Nanoparticles: Applications and Prospects. Springer, Singapore, 2020. 289-300.

International /National Journals:

1. Jayabal, S., R Venkateswaran, M., Selvakumar, M., & **Sureshkumar Periyasamy, S.** (2025). Screening and druggability analysis of *Zingiber officinale* bioactive compounds against *Diabetes mellitus* using a computational approach. Indian Journal of Chemical Technology (IF 0.5)
2. Meenakshi R Venkateswaran, Shanmugam Hemaiswary, Sasidharan Jayabal, Thamizharasi Erusappan, Achiraman Shanmugam, Mukesh Doble, **Sureshkumar Periyasamy**, (2023) Bioactive compounds rich Mehani formulation ameliorates diabetes and associated inflammatory condition - *In vitro and in vivo* studies South African Journal of Botany, (IF: 3.2)
3. Ramkumar Samynathan, Muthu Thiruvengadam, Shivraj Hariram Nile, Mohammad Ali Shariati, Maksim Rebezov, Raghvendra Kumar Mishra, BaskarVenkidasamy, **Sureshkumar Periyasamy**, Ill- Min Chung, Mirian Pateiro & José M. Lorenzo” (2021), Recent insights on teametabolites, their biosynthesis and chemo-preventing effects: A Review “Critical Reviews in Food Science and Nutrition (IF: 11.176)
4. Meenakshi R. Venkateswaran , Tamil Elakkiya Vadivel , Sasidharan Jayabal , Selvakumar Murugesan, Subbiah Rajasekaran, **Sureshkumar Periyasamy**“ A review on network pharmacology based phytotherapy in treating diabetes- An environmental perspective “ Environmental Research 202 (2021) 111656, (IF: 6.498)
5. V. Tamil Elakkiya, **P. Sureshkumar**, K.S. Yoha, D. Subhasri“Studies on antibacterial and chemotaxis properties of *Pseudomonas aeruginosa*TEN01 biomass-derived sustainable biosurfactant Chemosphere 285 (2021) 131381 (IF: 7.086)
6. Selvakumar Murugesan, Venkatesan Srinivasan, Dinesh Kumar Lakshmanan, Meenakshi R.Venkateswaran, Sasidharan Jayabal,a M. S. A. Muthukumar Nadar, Arunkumar Kathiravan, Mariadoss Asha Jhonsi, Sivasudha Thilagar and **Sureshkumar Periyasamy** “Evaluation of the anti-rheumatic properties of thymol using carbon dots as Nano carriers on FCA induced arthritic rats” Food Funct., (2021), 12, 5038 (IF: 5.396)

7. V. Tamil Elakkiya, R. V. Meenakshi, P. Senthil Kumar, V. Karthik, K. Ravi Shankar, P. Sureshkumar, A. Hanan (2021) "Green synthesis of copper nanoparticles using *Sesbania aculeata* to enhance the plant growth and antimicrobial activities" International Journal of Environmental Science and Technology (IF: 2.86)
8. Meenakshi Venkateswaran, Sasidharan Jayabal, Shanmugam Hemaiswarya, Selvakumar Murugesan, Subudhi Enkateswara, Mukesh Doble, **Sureshkumar Periyasamy** (2020) "Polyphenol-rich Indian ginger cultivars ameliorate GLUT4 activity in C2C12 cells, inhibit diabetes-related enzymes and LPS-induced inflammation: An *in vitro* study" Journal of Food Biochemistry. (IF: 2.720)
9. Vadivel Tamil Elakkiya, **Periyasamy SureshKumar**, Naiyf S.Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Marimuthu Govindarajan (2020), "Swift production of rhamnolipid biosurfactant, biopolymer and synthesis of biosurfactant-wrapped silver nanoparticles and its enhanced oil recovery" Saudi Journal of Biological Sciences 27, 7, 1892-1899. (IF: 4.29)
10. Selvakumar Murugesan, Meenakshi R.Venkateswaran, Sasidharan Jayabal, **Sureshkumar Periyasamy** (2020), "Evaluation of the antioxidant and anti-arthritic potential of *Zingiberofficinale*Rosc.by in vitro and in silico analysis" South African Journal of Botany,130. 45-53. (IF: 2.315)
11. Meenakshi R. Venkateswaran, Sasidharan Jayabal, Selvakumar Murugesan, **Sureshkumar Periyasamy** (2019), "Identification of polyphenolic contents, In vitro evaluation of antioxidant and antidiabetic potentials of a polyherbal formulation-Mehani" Natural Product Research, 33, 1-5 (IF: 2.8)
12. Rajaram Krishnasamy, **Sureshkumar Periyasamy** (2019), "Regulating role of ethyl acetate fraction of *Tephrosiatinctoria* pers. in carbohydrate metabolism and oxidative stress in diabetic rats", Biomedicine & Pharmacotherapy, 114, 108842 (IF: 6.529)
13. Sasidharan Jayabal, Meenakshi R. V, **Sureshkumar Periyasamy** (2018) "Green Synthesis, Characterization and Evaluation of In-vitro Antioxidant & Anti-diabetic Activity of Nanoparticles from a Polyherbal formulation-Mehani" Journal of Environmental Nanotechnology 7(3):51 -59. (IF: 2.9).
14. Karthik, Gadamchetty Pavan, Selvam Sathish, Ramamoorthy Siva, Periyasamy SureshKumar, Markandan Manickavasagam (2018) "Genotype-independent and enhanced in planta *Agrobacterium tumefaciens* mediated genetic transformation of peanut [*Arachis hypogaea* (L.)]" 3 Biotech 8(4):202. (IF: 2.406)
15. Soni Das and Sureshkumar.P (2016) "GC-MS metabolic finger printing tool in the screening of potent bioactive components of *Blepharispermum subsessile*" Research Journal of Chemistry and

16. Sony Das., **Sureshkumar P** (2016) "Effect of methanolic root extract of *Blepharispermum subsessile* DC in controlling arthritic activity" Research Journal of Biotechnology 11(4)65-74. (IF: 0. 79)
17. Ramkumar Samynathan, **Sureshkumar Perisamy**, Sudhakar Gandhi, J. Anitha, Geetha Sanmugam, Mohankumar Padmanabhan, Gopalakrishnan Velliur Kanniappan (2016)."Biochemical and molecular analysis of *Camellia sinensis* (L.) O Kuntze tea from the selected P/11/15 clone", Journal of Genetic Engineering and Biotechnology 14 (1)
18. Keerthana Murali, Rajaram Krishnasamy, Dinesh Krishnappa, **Sureshkumar Periyasamy** (2015)" In silico anticancer studies of bioactive compounds in *Tephrosia purpurea Pers*" Journal of Natural Products and Biomedical Research 1(1)21-25. (IF: 3. 7)
19. Adam, S., P. **Sureshkumar**, P. Santhanam., S. Dinesh Kumar and P. Prabhavathi (2015.) "Bioremediation of Tannery Wastewater Using Immobilized Marine Microalga *Tetraselmis sp.*: Experimental Studies and Pseudo-Second Order Kinetics" Journal of Marine Biology and Oceanography (4) 1. (IF:1.13)
20. Ramkumar Samynathan, Chella Perumal Palanisamy, Sudhakar Gandhi, Abdul Kalam A. Mandal, Mohankumar Padmanabhan, **Sureshkumar Perisamy**, Gopalakrishnan Velliur Kanniappan (2015) Biochemical analysis on crop shoots of *Camellia sinensis* (L.) o. Kuntze tea from the selected UPASI- 16 " Scripta Scientifica Pharmaceutica (1) 34-42. (IF: 0.742)
21. Sudarshana Deepa V., Rajaram K., Sureshkumar P. (2015) "Dimethyl γ, γ' , 4,4'- tetrahydroxy- δ -truxinate isolated from the leaves of *Andrographislineata*. Wall.ex. Nees suppress adipogenesis in 3T3-L1 preadipocytes for type β Diabetes" Pakistan Journal of Pharmaceutical Sciences., 28 (2) 443-448. (IF: 0.742)
22. K. Rajaram, D.C.Aiswarya **P.Sureshkumar**. (2015) "Green synthesis of silver nanoparticle using *Tephrosiatinctoria* and its antidiabetic activity." Materials Letters, (138) 251–254 (IF: 3.423)
23. Ramkumar Samynathan Chella Perumal Palanisamy, Sudhakar Gandhi, Abul KalamA. Mandal, Mohankumar Padmanabhan, **Sureshkumar Perisamy** and Gopalakrishnan Velliur Kanniappan (2014) "Isolation and Characterization of polyphenol oxidase from UPASI selected clone of *Camellia sinensis* (L.) O. Kuntze" Indo American Journal of Pharm Research 4(12).1462-1467, (IF:4.1)
24. K.Kumaraguru, **P.Sureshkumar** (2014)'Response surface modeling and optimization of chromium (VI) removal from aqueous solution using marine algae in batch process' Journal of Chemical and Pharmaceutical Sciences, (4), 188-192. (IF:1.18)

25. Kumaraguru K, **Sureshkumar P.**(2014) “Kinetics, Modeling, Thermodynamic analysis and optimization of biosorption parameters for biomass of *Sargassum wighiti* using response surface methodology”. International Journal of Chem Tech Research, Volume 6, 3040-3052.(**IF:1.15**)
26. Priya D, Rajaram K, **Sureshkumar P.**(2014) “Evaluation of anticancer activity of methanolic extract of *Caralluma fimbriata* wall. against lung cancer cell line” World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 3(4), 1263-1271. (**IF:7.6**)
27. Latha S., Rajaram K., **Sureshkumar P.** (2014) “Hepatoprotective and antidiabetic effect of methanol extract of *Caralluma fimbriata* in streptozotocin induced diabetic albino rats”. International Journal of Pharmacy and Pharmaceutical Sciences, Vol. 6(1), 665-668. (**IF:0.28**) .
28. Sudarshana Deepa V., Rajaram K., **Sureshkumar P.** (2013) “*In vitro* and *in vivo* antidiabetic effect of *Andrographis lineate* Wall. Ex. Nees and *Andrographis serpyllifolia* Wt. Lc leaf extracts” African Journal of Pharmacy and Pharmacology, Vol.7 (29), pp. 2112-2121. (**IF: 2.64**)
29. V.Sudarshana Deepa, **P. Sureshkumar**, B.Vadivukkarasi, Florida Tilton. (2013) “Molecular docking studies on selected phytochemicals from different *Andrographis* spp against PPAR- γ and C/EBP- α receptors for type-2- diabetes”.Asian Journal of Pharmaceutical and Clinical Research, Vol. 6(2), pp. 193- 196.(**IF: 0.73**).
30. K. Rajaram M. Moushmi M. Velayutham Dass Prakash, Premkumar Kumpati ,M. Ganarasaswathi & **P. Sureshkumar** (2013) Comparative Bioactive Studies between Wild Plant and Callus Culture of *Tephrosia tinctoria* Pers.” Applied Biochemistry and Biotechnology Vol. 171 (8), 2105-2120. (**IF: 2.96**)
31. Rajaram K., D. Priya, V. Sudarshana Deepa and P. Sureshkumar (2012) “*In vitro* regeneration of *Caralluma fimbriata* Wall by organogenesis”, Australian Journal of Crop Science. 6(1):41-45. (**IF:0.261**) .
32. Ramkumar S, **Sureshkumar P**, Mandal A. K. A., Rajaram K. and Mohankumar P. (2012). “Identification of superior varieties of tea (*Camellia sinensis*(l.) o. kuntze) in the selected UPASI germplasm using biomarkers”. Journal of medicinal plant research, 6(5), 727-743. (**IF: 2.6**)
33. Priya D., Rajaram K., **Sureshkumar.P.** (2012), In vitro Antioxidant and Preliminary Phytochemical Studies of *Caralluma fimbriata* Wall., International Journal of Pharmaceutical Research, Vol. 4 (2),.44-48.
34. Revathi S.L., **Sureshkumar P**, Sudarshana Deepa V, Nadana Rajavadivu G, Mayuri M (2012), “Phytochemical analysis of *Andrographis serpyllifolia* (Rohl.ex.Vahl) Wright”. International Journal of Pharmaceutical science and health care, 2(1). 3.11.

35. Sudarshana, D.V., Rajaram, K., Anis, K.M., Soni, D. and **Suresh, K.P.** (2011). "High frequency regeneration and shoot multiplication in *Andrographis lineata* Wall. ex. Nees: an endemic medicinal plant of South India". Journal of Medicinal Plant Research, Volume 5(20), 5044- 5049. **(IF: 2.6)**
36. Priya D, Rajaram K and **Sureshkumar P** (2011). "Phytochemical studies and GCMS analysis of *Caralluma fimbriata wall*". International Journal of Pharmaceutical Research & Development, Vol. 3(10), pp. 105 – 110.
37. Rajaram K. and P. Sureshkumar (2011), "In vitro antioxidant and antidiabetic activity of *Tephrosiatinctoria* Pers. An endemic medicinal plant of South India". Journal of Pharmacy Research, 3(4), 891-893.
38. **Sureshkumar P.**, S. Sucheta, A. Umamaheswari and V. Sudarshana Deepa (2011) "In vitro and in vivo Polyherbal Hair oil in the treatment of Dandruff" Journal of Pharmacy Research. 3(12) 2956- 2958.
39. Sudarshana Deepa V. and **P. Sureshkumar** (2010) "Preliminary phytochemical investigation and in vitro antioxidant activity of *Andrographis* spp" Journal of pharmacy Research, 3(9), 2206-2210. **(IF:4.2).**
40. Sudarshana Deepa V. and **P. Sureshkumar** (2010) "Preliminary phytochemical investigation and in vitro antioxidant activity of *Andrographis* spp" Journal of pharmacy Research, 3(9), 2206-2210.
41. **Sureshkumar P.**, V. Sudarshana Deepa, S. Srinivasan, P. Selvamani and S. Latha (2009) "Antioxidant studies on ethanolic extract on *Commiphora* spp". African Journal of Biotechnology. 8(8):1630-1636. **(IF: 0.53)**
42. **Sureshkumar P.**, S. Sucheta, P. Selvamani, S. Latha and V. Sudharshana Deepa (2008) "Antioxidant activity of some selected Indian Medicinal plants". African Journal of Biotechnology. 7 (12): 1826- 1828. **(IF: 0.53)**
43. Bupesh G., S. Nandagopal, A. Ganeshkumar, **P. Sureshkumar** and K. Saravanamurali (2007) "Antibacterial activity of *Menthapiperita* L. (peppermint) from leaf extracts – a medicinal plant". Acta agriculturae Slovenica, 89: 73-79. **(IF: 0.59).**
44. **Sureshkumar P.** and K. Shankaran (2007) "*In vitro* damage to rat intestine by *Enteropathogenic E.coli* as revealed by release of glucosidases" Journal of Scientific and Industrial Research 8: 66, 640.
45. **Sureshkumar P.**, N. Selvaraj, A. Ganapathi, S. Kasturirengan A. Vasudevan and V.Ramesh Anbazalagan (2005) "Assessment of factors influencing Agrobacterium mediated transformation

in cucumber (*Cucumis Sativus* L.)” Journal of Plant Biotechnology 7: 4, 225-231. (IF: 2.461)

46. Vivekananda M., P. **Sureshkumar**, B.Anand and M. Devatha (2004):“Basic aspects of nanotechnology in human welfare”. Journal of Theoretical and Experimental Biology, 1: 49-55. (IF: 2.6)
47. Vasudevan A., N. Selvaraj, **P. Sureshkumar** and A. Ganapathi (2001) “Multiple shoot induction from shoot tip explants of cucumber (*Cucumis sativus*)”. Cucurbit Genetics Report 24 : 8-12. (IF:1.2)

Chairperson for conferences / Seminar / Technical symposia:

S. No.	Event	Place	Year
1	Technical Session- SYMBIO2K5 Symposium	Department of Technology, Annamalai University, Chidambaram	2005
2	Biotechnology- overview	Bouliwarclub, Kaveri college for women, Tiruchirappalli	2005
3	Transgenic Technology for Human Welfare	UGC Refresher Course on Industrial Biotechnology, Annamalai University, Chidambaram	2006
4	Glimpses of Transgenic Technology	National conference in trends in Biotechnology, Department of Technology, National Institute of Technology, Tiruchirappalli	2007
5	Recent Trends in Transgenic Technology	Welcome day programme, Department of Biotechnology, Periyar Maniammai College of Technology for Woman, Thanjavur.	2007
6	Transgenic Technology for crop improvement	Department of Gene Technology, J.J College of Arts and Science, Pudukottai	2007
7	Technical Session in SYMBIO2K8 - Symposium	Department of Technology, Annamalai University, Chidambaram	2008

Chief Guest Address in Graduation Day Function in Colleges

S.No	Name of the College	Place	Year
1	Holy cross Engineering College	Thoothukudi	15.04.2019
2	National college of Engineering	Tirunelveli	15.02.2020
3	Rajas Engineering College	Vadakkangulam, Tirunelveli	15.02.2020

Guest lectures delivered

S No	Title	Institute	Year
1	Emerging Trends In Plant Science	Bharathidasan University	2014
2	Advancement in Transgenic Crops	Government College of Technology	2015
3	Biopharmaceutical Approaches In Plant Based Drug Discovery And Development	St. Joseph's College	2019
4	Unrevealing the Metabolomics of Phytodrugs in Drug discovery and development,	J.J. College of Arts and Science	2021
5	Transgenic Technology – A New Horizon for Crop Improvement	School Of Bioscience And Technology	2021
6	Biotechnological Approaches In Drug Discovery And Development	Jamal Mohamed College	2022
7	Therapeutic approaches of phytodrugs in drug discovery and development	PMIST	2024
8	Plant based therapeutic treatment on diabetes mellitus	Bharathiar University	2024
9	Bio surfactant for sustainable remediation	Vellore institute of Technology	2025
10	Recent insights of Phytomolecules in Drug Discovery and Development	Jamal Mohamad College	2025

DECLARATION:

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

(P. SURESHKUMAR)
Professor and Head