




Bharathiar University

State University | "A⁺⁺" Grade by NAAC | 46th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr S SUJA Professor and Head Department of Bio-Chemistry Bharathiar University Coimbatore, 641046 Tamil Nadu E-mail: suja.s@buc.edu.in Phone: 8754425857 Office Number: 0422-2428560	
Research Area <ul style="list-style-type: none">• Bioengineering• Nanomedicines for cancer therapeutics• Bio-residues for cancer prognosis and diagnosis• Herbalism Research Experience: 25	Courses Teaching <ul style="list-style-type: none">• Biomolecules and Bioenergetics• Human Physiology• Biostatistics and Research Methodology Teaching Experience: 25
Research Credentials (as on September 2025 – Source: Google scholar) H-index: 14 Citations: 891 i10-index: 21	
Publications International Journals: 49 National Journals: 10 Conferences: 2	
Career Other Institutes <ol style="list-style-type: none">1. Designation : Assistant Professor Institution Name : P.S.G College of Arts and Science Period : September 2014 - August 20152. Designation : Assistant Professor & Head i/c Institution Name : Dr. N.G.P Arts and Science Period : July 2001 - August 2014 At Bharathiar University <ol style="list-style-type: none">1. Designation : Professor and Head Period : December 2018 - Till Date2. Designation : Associate Professor & Head Period : August 2015 - December 2018	
Education Ph. D. Subject : Biochemistry Institution : Bharathiar University Affiliated University : Bharathiar University Year of Award : December 2008 M. Phil. Subject : Biochemistry Institution : Avinashilingam university for women Affiliated University : Avinashilingam university for women Year of Award : October 2001	



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Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr S SUJA , Professor and Head , Department of Bio-Chemistry

M. Sc.

Subject : Biochemistry

Institution : Avinashilingam university for women

Affiliated University : Avinashilingam university for women

Year of Award : May 2000

B. Sc.

Subject : Biochemistry

Institution : Avinashilingam university for women

Affiliated University : Avinashilingam university for women

Year of Award : May 1998

Projects

National Level

Ongoing - completed - 2

Research Guidance

Submitted

Ph.D. - 3

Completed

Ph.D. - 9 PG - 44 M.Phil. - 5

Institutional Responsibilities

Convenor

Period :Apr 2025 to Till date

Nature of Responsibility :As inspection Squad, Government Arts College, Coimbatore

Reviewer (R&D Proposals) for Food and Nutrition Sector

Period :May 2022 to Till date

Nature of Responsibility :For Establishing an umbrella structure for Coimbatore district integrating Education, Research and Industry, Bharathiar University, Coimbatore

Expert

Period :Feb 2020 to Till date

Nature of Responsibility :To conduct interview for the selection of JRF project "Studies on the Efficacy of Neferine on Doxorubicin induced Cardiomyopathy", Bharathiar University

Committee member

Period :Mar 2021 to Till date

Nature of Responsibility :For National Sciences Day Programme, Bharathiar University

External Subject Expert

Period :Feb 2025 to Till date

Nature of Responsibility :To evaluate the CAS proposals in the Department of Biochemistry at Kongunadu Arts and Science College, Coimbatore

University Nominee

Period :May 2025 to Till date

Nature of Responsibility :Academic Council Meeting in Kongu Arts and Science College for the academic year 2025-2026

Expert

Period :Mar 2025 to Till date

Nature of Responsibility :Selection Committee Meeting for the CAS academic level 13A to 14 from Associate professor to professor for the Department of Biochemistry, Periyar university, Salem

Subject Expert

Period :Apr 2024 to Till date

Nature of Responsibility :Doctoral committee meeting and Phd pre viva-voce examinations, Department of Biochemistry, Periyar University, Salem.



Collaborations

1. Dr. J. Sivakumaran -)

Visits

1. Paper Presentation in International conference on Green Agro-Industry and Bio economy, Universitas Brawijaya. (2017-10-24 -)

Programs organized

1. Science Academic Lecture workshop on "Insights in Life science" (2018-01-22 - 2018-01-24)
2. Three-Day International conference on Bioscience and Bioinformatics (2017-12-14 - 2017-12-16)
3. "Bioentrepreneurship summit 2010" (2010-03-18 -)
4. One day hands on workshop on "SPSS" (2010-03-13 -)

Publications

International Journals - 49

49. Synthesis and characterization of hydroxyapatite biocomposite using *Syzygium aromaticum* for biomedical application

Next Nanotechnology (June 2025)

Kavya Menon, Anusuya Nagaraj, Anjali Sudha, Neveen Kumar Kalagatur, Seethalakshmi Subramaniam, Suja Samiappan

48. Hydroxyapatite Doped with *Alpinia galanga* (L.) Willd. Rhizome Extract Exhibits Potential Antioxidant and

Antibacterial Features

Current Trends in Biotechnology and Pharmacy (April 2025)

Seethalakshmi Subramaniam, Anusuya Nagaraj, Suja Samiappan

47. Unveiling the Effects of Cisplatin and Diallyl Disulfide on MDA-MB-231 Breast Cancer Cells

Current Trends in Biotechnology and Pharmacy (July 2024)

Kaavya Gunasekaran, Priyadharshini Thangavelu, Naveen Kumar Kalagatur, Rama Jeyaraj, Suja Samiappan

46. Design, synthesis and analysis of charged RGD derivatives

Bioinformation (September 2023)

Bonaventure Mujiyambere, Subasri Mohanakrishnan, Shoufia Jabeen Mubarak, Hemamalini Vedagiri, Sivasamy Ramasamy, Suja Samiappan

45. HPV DNA and p16INK4a positivity in vulvar cancer and vulvar intraepithelial neoplasia

The Lancet Oncology (June 2023)

Rama Jayaraj, Sameep Shetty, Kodiveri Muthukaliannan Gothandam, Samiappan Suja, Yash Merchant

44. Cytotoxic effects of nanoliposomal cisplatin and diallyl disulfide on breast cancer and lung cancer cell

lines

Biomedicines (March 2023)

Kaavya Gunasekaran, Bala Murali Krishna Vasamsetti, Priyadharshini Thangavelu, Karthi Natesan, Bonaventure Mujiyambere, Viswanathan Sundaram, Rama Jayaraj, Yeon-Jun Kim, Suja Samiappan, Jae-Won Choi

43. Clinical Validity and Conceptual Interpretation of Impact of alcohol consumption on COVID-19 severity

Authorea Preprints (March 2023)

Rama Jayaraj, Sameep Shetty, Yash P Merchant

42. Development of optimized novel liposome loaded with 6-gingerol and assessment of its therapeutic activity against NSCLC In vitro and In vivo experimental models

Chemistry and Physics of Lipids (July 2022)

Priyadharshini Thangavelu, Viswanathan Sundaram, Kaavya Gunasekaran, Bonaventure Mujiyambere, Sowndarya Raju, Arya Kannan, Ashok Arasu, Kadirvelu Krishna, Jayaraj Ramamoorthi, Sivasamy Ramasamy, Thirunavukkarasu Velusamy, Suja Samiappan



41. Di-Biotin-RGD: A Novel ARG-GLY-ASP Derivative with Diagnostic and Therapeutic Potentials against Breast Cancer

Asian Journal of Organic & Medicinal Chemistry (April 2022)

Bonaventure Mujiyambere, Priyadharshini Thangavelu, Kaavya Gunasekaran, Viswanathan Sundaram, Anusuya Nagaraj, Akshayadharshini Kariselvan, Sreelakshmy Sureshkumar, Sangita Sharma Mehta, Suja Samiappan

40. Conceptual and Statistical Interpretation of a Systematic Review and Meta-Analysis on Patient Adherence to Lung-RADS–Recommended Screening Intervals in the United States

Journal of Thoracic Oncology (March 2022)

Mogana Sundari Rajagopal, Raghul Senthilnathan, Suja Samiappan, Rama Jayaraj

39. Mapping Research on miRNAs in cancer: A global data analysis and bibliometric profiling analysis

Pathophysiology (February 2022)

Peter Shaw, Kartik Lokhotiya, Chellan Kumarasamy, Krishnan Sunil, Deepa Suresh, Sameep Shetty, Gothandam Kodiveri Muthukaliannan, Siddhartha Baxi, Ravishankar Ram Mani, Palanisamy Sivanandy, Harish C Chandramoorthy, Madan Mohan Gupta, Suja Samiappan, Rama

38. COVID-19 outcomes in patients hospitalised with acute myocardial infarction (AMI): A protocol for systematic review and meta-analysis

COVID (January 2022)

Peter Shaw, Nagendra Boopathy Senguttuvan, Greg Raymond, Srivarshini Sankar, Anirban Goutam Mukherjee, Milind Kunale, Gothandam Kodiveri Muthukaliannan, Siddhartha Baxi, Ravishankar Ram Mani, Mogana Rajagopal, Suja Samiappan, Sunil Krishnan, Rama Jayaraj

37. Conceptual interpretation and clinical applicability of a systematic review and meta-analysis about prognostic value of apolipoproteins in COVID-19 patients

Travel Medicine and Infectious Disease (January 2022)

Mogana Rajagopal, Raghul Senthilnathan, Sameep Shetty, A Devi, M Ravishankar Ram, Suja Samiappan, Rama Jayaraj

36. Molecular Investigation of miRNA Biomarkers as Chemoresistance Regulators in Melanoma: A Protocol for Systematic Review and Meta-Analysis

Genes (January 2022)

Peter Shaw, Greg Raymond, Katherine S Tzou, Siddhartha Baxi, Ravishankar Ram Mani, Suresh Kumar Govind, Harish C Chandramoorthy, Palanisamy Sivanandy, Mogana Rajagopal, Suja Samiappan, Sunil Krishnan, Rama Jayaraj

35. Clinical Theragnostic Relationship between Chemotherapeutic Resistance, and Sensitivity and miRNA Expressions in Head and Neck Cancers: A Systematic Review and Meta-Analysis Protocol

Genes (December 2021)

Peter Shaw, Greg Raymond, Raghul Senthilnathan, Chellan Kumarasamy, Siddhartha Baxi, Deepa Suresh, Sameep Shetty, Ravishankar Ram M, Harish C Chandramoorthy, Palanisamy Sivanandy, Suja Samiappan, Mogana Rajagopal, Sunil Krishnan, Rama Jayaraj

34. Mechanism underlying the inhibitory effect of bio-synthesized silver nanoparticle on TNF- α induced NF- κ B nuclear translocation in prostate cancer cells

International Journal of Pharmaceutical Sciences and Nanotechnology (IJPSN) (March 2021)

K Rajathi, KB Leneeygreen, S Suja

33. Phytochemical, purification and spectral analysis of compounds from root tuber extract of Aparagus racemosus (Willd)

Materials Today: Proceedings (January 2021)

S Suja, S Sivakala

32. Biosynthesis of nanocomposite from Alpinia galanga for phytochemical and characterisation analysis for orthopaedic replacements

J. Univ. Shanghai Sci. Technol (November 2020)

S Seethalakshmi, S Suja

31. Haematological Assessment of Methanolic Stem Extract of Cissus quadrangularis Linn. against Freund's Complete Adjuvant induced Female Albino Arthritic Rats

Int. J. Life Sci. Pharma Res (October 2020)

S Shamina, Ms Anjana, S Suja



30. Phytochemical Screening and In Vitro Anti Elastase, Anti-Collagenase Activity of Cissus Quadrangularis Linn.

World Journal of Pharmaceutical Research (July 2020)
Mrs S Shamina, Ms Anjana, S Suja

29. The significance of mirnas as a prognostic biomarker for survival outcome in T cell–acute lymphoblastic leukemia patients: A systematic review and meta-analysis

Cancer Management and Research (February 2020)
Shanthi Sabarimurugan, Chellan Kumarasamy, Madurantakam Royam Madhav, Suja Samiappan, Rama Jayaraj

28. Presentation of Antibacterial and Therapeutic Anti-inflammatory Potentials to Hydroxyapatite via Biomimetic With Azadirachta indica: An in vitro Anti-inflammatory Assessment in Contradiction of LPS-Induced Stress in RAW 264.7 Cells

Frontiers in Microbiology (August 2019)
Anusuya Nagaraj, Suja Samiappan

27. Approaches to interpret the outcomes of a network meta-analysis on comparative efficacy of different targeted therapies plus fulvestrant for advanced breast cancer following ...

Cancer Management and Research (April 2019)
Rama Jayaraj, Chellan Kumarasamy, Shanthi Sabarimurugan, Suja Samiappan

26. Prognostic miRNA classifiers in t cell acute lymphoblastic leukemia: Study protocol for a systematic review and meta-analysis of observational clinical studies

Medicine (March 2019)
Shanthi Sabarimurugan, Madhav Madurantakam Royam, Chellan Kumarasamy, Gothandam Kodiveri Muthukaliannan, Suja Samiappan, Rama Jayaraj

25. Cytokeratin 19 (CK19) as a marker for Epithelial Differentiation and Malignant Transformation: Its Clinical relevance in Diagnosis, Prognosis and Treatment response monitoring

IRE J (September 2018)
Bonaventure Mujiyambere, Rama Jayaraj, S Suja

24. Phytochemical Evaluation and antioxidant activity of methanol extract of Loligo duvauceli ink

Journal of Pharmacognosy and Phytochemistry (September 2018)
N Nisha, S Suja

23. In vitro Cytotoxicity testing of biosynthesised silver nanoparticles of Andredera Cordifolia in prostate cancer cells (PC-3)

Eur J Pharm Med Res (October 2017)
K Rajathi, N Kannikaparameswari, S Suja

22. Antibacterial activity of methanol and water extract of Loligo duvauceli ink

International Journal of Biology Research (October 2017)
N Nisha, S Suja

21. Antioxidant and Chemotherapeutic Potential of Curcuma Amada Rhizome Extract on Benzo (A) Pyrene Induced Cervical Carcinoma in Sprague Dawley Rats. Asian

J. Pharm. Clin. Res (September 2017)
Vasundra Devi Palanisamy, Suja Samiappan

20. Antioxidant activity of methanol extract and partially purified form of Loligo duvauceli ink

Inter. J. Res. Pharm. Pharmaceu. Sci (July 2017)
N Nisha, S Suja

19. In vitro Cytotoxicity testing of biosynthesised silver nanoparticles of Andredera Cordifolia in prostate cancer cells (PC-3)

Eur J Pharm Med Res (December 2016)
K Rajathi, N Kannikaparameswari, S Suja



18. Antioxidant and Chemotherapeutic Potential of Curcuma Amada Rhizome Extract on Benzo (A) Pyrene Induced Cervical Carcinoma in Sprague Dawley Rats. Asian

J. Pharm. Clin. Res (December 2016)
Vasundra Devi Palanisamy, Suja Samiappan

17. Green synthesis of silver nanoparticles using Coleus amboinicus lour, antioxidant activity and in vitro cytotoxicity against Ehrlich's ascite carcinoma

J. Pharm. Res (August 2016)
Vadivel Subramanian, S Suja

16. Qualitative phytochemical Screening of Rhizomes On Alpinia Calcarata and Alpinia Speciosa

Journal of pharmacognosy and phytochemistry (July 2015)
L Mohanasundari, S Suja

15. In-vitro antioxidant and phytochemical screening of ethanolic extract of Alpinia purpurata.

International Journal of Pharmaceutical Sciences and Research (August 2012)
CJ Jovitta, Sreenivasan Aswathi Sreenivasan Aswathi, S Suja

14. The effect of cement dust exposure on hematological and cytogenetic studies of cement workers

Res J Pharma Bio Chem Sci (January 2012)
S Divya Priya, S Suja

13. Immunoglobulin classes (IgG, IgA, IgM, IgE) and liver function tests in workers occupationally exposed to cement dust

Journal of Pharmacy Research (October 2011)
S.Divyapriya, S.Suja, S.Sharmila

12. Phytochemical screening of Alpinia purpurata (Vieill)

Research Journal of Pharmaceutical, Biological and Chemical Sciences (July 2011)
Vadivel Subramanian, S Suja

11. Role of Nanofibrous Poly(Caprolactone) Scaffolds in Human Mesenchymal Stem Cell Attachment and Spreading for In Vitro Bone Tissue Engineering—Response ...

Tissue Engineering Part A (February 2010)
NS Binulal, M Deepthy, N Selvamurugan, KT Shalumon, S Suja, Ullas Mony, R Jayakumar, SV Nair

10. Production of Ethanol from Ipomoea batatas using Saccharomyces cerevisiae

Asian Journal of Bio Science (September 2009)
E. Saritha, R. Anand , S. Suja and K. Swaminathan

9. Antitumor and antimicrobial activities and inhibition of in-vitro lipid peroxidation by Dendrobium nobile

African Journal of Biotechnology (January 2009)
P Uma Devi, S Selvi, D Devipriya, S Murugan, S Suja

8. Bio adsorption of mercury using Aspergillus niger

Asian Journal of Environmental Science, (September 2008)
Easwaramoorthi Saritha

7. Inhibition of in vitro cytotoxic effect evoked by Alpinia galanga and Alpinia officinarum on PC-3 cell line

Ancient Science of Life (February 2008)
S Suja, P Chinnaswamy

6. Evaluation of plasma total antioxidant response and total peroxides in different symptoms of schizophrenia patients

Int J Biol Chem (January 2008)
P Uma Devi, D Devipriya, S Murugan, S Selvi, S Suja, P Chinnaswamy

5. Antibacterial, in vitro lipid per oxidation and phytochemical observation on Achyranthes bidentata Blume

Pakistan Journal of Nutrition (August 2007)
P Uma Devi, S Suja, S Selvi, P Chinnaswamy, E Vijayanand



4. Comparison of non-enzymic antioxidant status of fresh and dried form of *Pleurotus florida* and *Calocybe indica*

S Selvi, P Uma Devi, S Suja, S Murugan, P Chinnaswamy (August 2007)

Comparison of non-enzymic antioxidant status of fresh and dried form of *Pleurotus florida* and *Calocybe indica*

3. Effect of mercury and effluents on seed germination, root-shoot length, amylase activity and phenolic compounds in *Vigna unguiculata*

Nature Environment and Pollution Technology (January 2007)

P Uma Devi, S Murugan, S Akilapriyadharasini, S Suja, P Chinnaswamy

2. Antidiabetic and hypolipidemic effect of *Cassia auriculata* in alloxan induced diabetic rats.

International Journal of Pharmacology (July 2006)

P Uma Devi, S Selvi, S Suja, K Selvam, P Chinnaswamy

1. Inhibition of in vitro lipid peroxidation (LPO) evoked by *Calocybe indica* (milky mushroom)

Ancient Science of life (July 2006)

S Selvi, P Umadevi, S Suja, K Sridhar, P Chinnaswamy

National Journals - 10

10. Systematic review and meta-analysis of risk-reductive dental strategies for medication related osteonecrosis of the jaw among cancer patients

Oral Oncology (September 2024)

Rama Jayaraj, Chellan Kumarasamy, Suja Ramalingam, Arikkeeth Devi

9. Biomimetic of hydroxyapatite with *Tridax procumbens* leaf extract and investigation of antibiofilm potential in *Staphylococcus aureus* and *Escherichia coli*

Indian Journal of Biochemistry and Biophysics (IJBB) (July 2022)

Anusuya Nagaraj, Naveen Kumar Kalagatur, Krishna Kadirvelu, Sushmitha Shankar, Usha Kiranmayi Mangamuri, P Sudhakar, Suja Samiappan

8. Prognostic significance of blood inflammatory biomarkers NLR, PLR, and LMR in cancer—A protocol for systematic review and meta-analysis

Medicine (June 2019)

Chellan Kumarasamy, Shanthi Sabarimurugan, Royam Madhav Madurantakam, Kartik Lakhotiya, Suja Samiappan, Siddhratha Baxi, Ramesh Nachimuthu, Kodiveri Muthukaliannan Gothandam, Rama Jayaraj

7. Prognostic significance of Lymph Node Ratio (LNR): clinical insights and strategies for routine clinical practice

Oral Oncology (April 2019)

Rama Jayaraj, Chellan Kumarasamy, Shanthi Sabarimurugan, Madurantakam Royam Madhav, Kartik Lakhotiya, Ramesh Nachimuthu, KM Gothandam, Suja Samiappan

6. Validation of miRNA prognostic significance in stage II colorectal cancer: A protocol for systematic review and meta-analysis of observational clinical studies

Medicine (January 2019)

Shanthi Sabarimurugan, Chellan Kumarasamy, Madhav Madurantakam Royam, Karthik Lakhotiya, Gothandam Kodiveri Muthukaliannan, Suja Ramalingam, Rama Jayaraj

5. Systematic review and meta-analysis of risk-reductive dental strategies for medication related osteonecrosis of the jaw among cancer patients: Approaches and strategies

Oral oncology (September 2018)

Rama Jayaraj, Chellan Kumarasamy, Suja Ramalingam, Arikkeeth Devi

4. Letter to the Editor regarding,

Oral Oncology (April 2018)

Rama Jayaraj, Chellan Kumarasamy, Suja Samiappan, Priya Swaminathan



3. Profile of Hematological Abnormalities and Its Correlation with Absolute CD4 Count and HIV Viral Load in HIV infected patients in a Tertiary Care Hospital

PSG Institute of Medical Sciences & Research, Coimbatore (July 2016)
S SujaS

2. A clinical study on neurotized free flaps for reconstruction of head and neck defects

Madras Medical College, Chennai (August 2013)
S Suja

1. A Profile of Diagnosis and Management of Ano Rectal Fistulae

Kilpauk Medical College, Chennai (May 2009)
S Suja

Conferences - 2

2. Influence of Paclobutrazol (PP333) and Sridiamin (Human hair-derived aminoacid mixture) on growth and quality of Tomato PKM-1

IOP Conference Series: Earth and Environmental Science (March 2018)
S Suja, N Anusuya

1. Ethical Issues in Conducting Research

Quality Changes through Research - Experiences, Expectations & Enhancement (March 2014)
Rajathi K and Suja S

Projects

Completed - 2

1. Diagnostic and therapeutic role of nanoliposomes for the treatment of breast cancer: Novel target for cancer therapy. RUSA 2.0 - BCTRC 15,88,000 (December 2020 - December 2022)
2. Antitumor activity of Alpinia purpurataon Bladder Cancer Cell Line UGC-MRP 5,92,000 (February 2010 - February 2013)