



**Mrs. B.SRIDEVI, M.Sc.,M.Phil.,SET.,(Ph.D)**

Head and Assistant Professor,  
PG & Research Department of Biochemistry

**CONTACT DETAILS**

**OFFICIAL ADDRESS**

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**PROFESSIONAL CONTOUR**

- Accomplished myself as an academician in the field of education and exploitation of my skills and experience to help students to achieve high standards.
- Effective administrator with excellent planning, organizational and negotiation strengths as well as the ability to lead, establishes goals and attain results.

**QUALIFICATION**

- **Doing Ph.D Biochemistry** (Bharathidasan University, Trichy, 2016)
- **State Eligibility Test (SET)** in Biochemistry (Conducted by Bharathiar University, Coimbatore, 2008)
- **M.Phil Life Sciences** (Manonmaniam Sundaranar University, 2005)
- **M.Sc Biochemistry** (Annamalai University, Chidambaram, 2003)
- **B.Sc Biochemistry** (Theivanai Ammal College for Women, University of Madras, 2001)

**TEACHING EXPERIENCE**

Have **19 years** of experience.

- ✓ **Assistant Professor** in the Department of Biochemistry, Theivanai Ammal College for Women (Autonomous), Villupuram from 2006 to till date. (17 Years)
- ✓ **Lecturer** in the Department of Biochemistry, King Nandhivarman College for Arts and Science, Thellur from 2004 to 2006. (2 Years)

**AREA OF SPECIALIZATION**

- Neuro Science
- Clinical Biochemistry
- Metabolism and Regulation
- Molecular Biology

## PROJECT PROFILE

- Green Synthesis of ZnO Nanoparticles Using Nephelium Lappaceum Extract and its Antiseptic Property

## GRANT RECEIVED

- **Received TNSCST PG project grant of Rs. 7500/- on the topic “Bioformulations of Spirulina effluent for Plant Growth Promotion and Combating Phytopathogens: A Sustainable Agriculture” in the year 2021 – 2022.**

## PUBLICATIONS

- Nulagi Booster the growth of prawns & fishes, ISBN No: 978-81-934054- 44 (2017).
- Forced degradation study of famotidine in tablet formulation using RP- HPLC”, ISBN No: 978-93-85283-67-3 (2017).
- Anti-clastogenic effect of sinapic acid against DMBA induced clastogenesis in hamster buccal pouch carcinogenesis (2018) only abstract
- Herbalwine (Nutraceutical) production with Breadfruit, Watermelon and Pineapple & Management of Kitchen waste by vermicompositing using earthworm, ISBN No: 978-93-5391-430.
- J Kalaimathi, **B Sridevi**, S Ananthi, J Nasrin, M Suriya, S Rajeshkumar Glycine Max Seed Mediated Synthesis and Characterization of Zinc Oxide Nanoparticles and its Antifungal Activity Against Pathogenic Fungal Strains Indian Journal of Public Health Research & Development ISSN: 0976-0245EISSN:0976-5506 Vol. 10 Issue 11, p3625-3634.(Elsevier-SCOPUS indexed journal)nov-2019 IF : 6.405
- **Sridevi Balraj**, C. Aiyavu, T. Manivasagam, J. Kalaimathi and S. Rajeshkumar,Neuroprotective Role of Diosmin on Rotenone Induced Neurotoxicity in SH-SY5Y Neuroblastoma Cells , Bioscience Biotechnology Research Communications,Volume 13 Number (4) Oct-Nov-Dec 2020. IF : 5.09,Web of science
- J .Kalaimathi , **B. Sridevi** , M.Suriya, S.Hema , M.Brintha, Green Synthesis of Silver Nanoparticles Mediated by Citrus maxima (White and Pink) Fruit Extract: A Comparative comprehension www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138), January 2021, Volume 8,IF : 5.75,UGC approved journal
- J .Kalaimathi , **B. Sridevi** , M.Suriya, S.Hema , M.Brintha,Green Synthesis of ZnO Nanoparticles Using Nephelium Lappaceum Extract and its Antiseptic Property www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138), January 2021, Volume 8, Issue 1 ,IF : 5.75, UGC approved
- K.Kalaiyarasi, **B.Sridevi**, V.Sandhiya “Catalytic Degradation of Textile Effluent Using Silver Nano Particles Synthesized from *Aloe Vera* Extract, ISSN -2349-5138, (Feb. 2021).

## PAPERS PRESENTED & CONFERENCE, REFRESHER COURSE ATTENDED:

- Participated in **5 days FDP on “Advances in Characterization Techniques”** Organized by Presidency University, 2022.
- Participated in one week **National level online FDP on “Outcome Based Education (OBE)”** in association with IPSR Solution LTD organized by the Internal Quality Assurance Cell (IQAC).
- **Presented paper in the online International Conference on “Advanced Bioscience and Biotechnology”** organized by Mother Theresa University , Kodaikanal on 23& 24 th February 2023

- Attending UGC-HRDC sponsored **Online three month Refresher course** organized by Jawaharlal Nehru University New Delhi on History of Indian Science and Technology under SWAYAM portal (Dec 2020 - Feb 2021)
- Participated in **17 e- courses, e-webinars and e-conferences** and received 23 certificates at National and International level during Covid organized by reputed Institutes during Covid-19 lockdown (**Ref. Annexure**).
- Presented e-poster entitled “**Anti-clastogenic effect of sinapic acid against DMBA induced clastogenesis in hamster buccal pouch carcinogenesis**” in International conference on Recent Advances in Biomedicine on August 23rd, 2018.
- Attended UGC-SAP sponsored National seminar on “**Challenges in Teaching & Biology in 21st Century**” on 30th January 2018 at Annamalai University, Chidambaram.
- Participated in a two day International conference & Presented paper in the title “**Neuroprotective effect of Diosmin**” organized by Annamalai University, Chidambaram on 22<sup>nd</sup> & 24<sup>th</sup> September 2017.
- Presented paper in International conference on Innovative Research in Life Science entitled “**Forced degradation study of famotidine in tablet formulation using RP- HPLC**” on 6<sup>th</sup> March 2017.
- Participated in a National Seminar on “**Biotechnology in Daily Life**” organized by Sri Vinayaga College for Arts & Science, Ulundurpet on 20<sup>th</sup> February 2015.
- Participated in a International seminar on “**Biochemistry for Tomorrow’s medicine**” organized by Justice Basheer Ahmed College for Women, Chennai on 22<sup>nd</sup> & 23<sup>rd</sup> February 2012.
- Participated in a National level conference on “**Innovations in Teaching, Learning & Research methodology**” organized by Kristu Jayanthi College, Bangalore on 17<sup>th</sup> & 18<sup>th</sup> November 2011.
- Attended a Faculty Training programme on “**Industry Institute Interface**” at Theivanai Ammal College for Women on 9<sup>th</sup> February 2011.
- Attended a National Symposium on “**Research methodology, Biomedical ethics and Medical writing**” organized by Sri Manakula Vinayagar Medical College and Hospital, Puducherry on 29<sup>th</sup> and 25<sup>th</sup> September 2010.
- Attended a two day workshop on “**Testing and Evaluation**” at Theivanai Ammal College for Women, Villupuram on 19<sup>th</sup> and 20<sup>th</sup> of March 2010.
- Participated in a two day “**Interactive meeting for GIA**” conducted by NTS, India, CT& E, Central Institute of Indian Languages (CIIL), Mysore on 29<sup>th</sup> & 30<sup>th</sup> of January 2010.
- Attended a seminar on “**Professional competency building**” for College Teachers at TACW, Villupuram.
- Participated in State level seminar on “**Bioinformatics & Cheminformatics**” at Theivanai Ammal College for Women, Villupuram on 26<sup>th</sup> & 27<sup>th</sup> of September 2008.
- Attended an International conference on “**Bioinformatics**” conducted by Sri Padma Mahila Vishva Vidhyalaya University, Andra Pradesh on 12<sup>th</sup> – 14<sup>th</sup> December 2008.
- Attended a personality development programme in “**Change management, Cultural Values and Stress management**” at Elumalai polytechnique, Villupuram on 16<sup>th</sup> June 2007.
- Presented a Paper in National level seminar on “**Sustainable trends in Biotechnology**” at Dhanalakshmi Srinivasan College of Arts and Science for women, Perambalur, Trichy on 29<sup>th</sup>, 30<sup>th</sup> and 31<sup>st</sup> of January 2007.
- Participated in State level seminar on “**Recent approaches in Biomedical Sciences**” at Prof.Dhanabalan College for Women, Kelambakkam on 2<sup>nd</sup> September 2006.
- Presented a paper in State level seminar on “**Recent trends in Biochemistry**” at Theivanai Ammal College for Women, Villupuram on 6<sup>th</sup> September 2006.
- Presented paper in National seminar on “**Future prospects in Biological research**” at St Joseph’s College of Arts and

Science, Cuddalore on 6<sup>th</sup> & 7<sup>th</sup> of October 2006.

- Presented paper in National seminar on “**Emerging trends in Biological Science**” at Shrimathi IndiraGandhi College, Tiruchirapalli on 9<sup>th</sup>, 10<sup>th</sup> of October 2006.
- Participated in “**Human Resource Training programme**” conducted by Training and Development cell of TACW, Villupuram on 21<sup>st</sup> November 2006.
- Participated in the **UGC sponsored Refresher course on “Education Technology**” at Academic Staff College, Pondicherry Univesity and obtained ‘A’ Grade in 2005.
- Attended a State level seminar on “**Phytochemistry**” at Theivanai Ammal College for Women on 25<sup>th</sup> September 2004.

#### **ACADEMIC HONORS**

- Received NPTEL **Active SPOC Certificate** for the academic year 2016-2017.
- **Board of Studies member** in the department of Biochemistry (UG Board), ThiruvalluvarUniversity, Vellore (2019-2022).
- **Board of Studies member** in the department of Biochemistry (UG Board), AnnamalaiUniversity, Chidambaram (2021-2024).
- **Received Best Academician Award by IJEMR Elsevier SSRN Research Awards 2021** on 8<sup>th</sup> August 2021.
- **Life member of the Society for Learning Technologies** an organization for presenting the quality and standards of Society of Technical Education from 2021 onwards.
- **Received Best Woman Researcher Award** by NAARI Shakthi on the eve of International Women’s Day Celebrations on 8<sup>th</sup> March 2022.

#### **SUBJECTS HANDLED**

- Enzymes and Intermediary metabolism
- Genetics and Molecular Biology
- Clinical Biochemistry
- Cell Biology
- Biomolecules
- Biotechnology
- Environmental Studies
- Biophysical and Biochemical techniques

#### **HIGHLIGHTS OF PROFESSIONAL EXPERIENCE**

##### **AT TACW, VILLUPURAM**

##### **Controller of Examinations (2019 till date)**

- ✓ Conduct of internal and external examinations (Online and Offline).
- ✓ Publication of results.
- ✓ Issue of mark statement &
- ✓ Conducting graduation day.
- ✓ Question Bank Preparation
- ✓ Modified Question Paper based on OBE (RBT)

**Principal In charge (2016 – 2017 for 3 months)**

- ✓ Examinations, Academic, Student and Research matters & College functions.

**Dean of Academic Affairs (2015 – 2019)**

- ✓ Curriculum revision for the college and department once in three years.
- ✓ Implemented of academic enrichment programmes such as video conferencing, summer internship, experiential learning, industrial visit etc.
- ✓ Promoting and Introduction of online courses.
- ✓ Conducted BoS & Academic council meeting.
- ✓ NAAC accreditation etc...

**Head of the department (2015 till date)**

- ✓ Involved curriculum designing & development.
- ✓ Introduced M.Phil & Ph.D programmes.
- ✓ Encouraging faculty in adopting Innovative teaching practices,
- ✓ Motivating the students in participating seminar, presenting posters, papers & co curricular activities (on & off campus).
- ✓ Established Innovative practice – Mushroom Cultivation & Vermi Composting.
- ✓ Introduced project at UG level.
- ✓ Promoting research among student & faculty etc.
- ✓ Organized three International, three National and two state level seminars and conferences.
- ✓ Involved in framing the curriculum based on NEP and TANSCHHE guidelines.

**IQAC Coordinator (2011 – 2015)**

- ✓ Co-ordinated in developing a system for conscious, consistent and catalytic improvement in the overall performance of the college (TACW).
- ✓ Acted as a Coordinator during NAACRe-accreditation & Autonomous Extension.
- ✓ Organized NAAC sponsored conference.

**International Student exchange programme coordinator**

- ✓ Oriented and made the Students to take part in Student exchange programme.

**Academic affairs committee member**

- ✓ Academic works of the department was carried out.

**Faculty Association Convenor (TACW)**

- ✓ Organized Faculty meeting
- ✓ Organized Faculty Birthday celebration
- ✓ Organized Faculty Orientation programme

**Calendar committee Coordinator**

- ✓ Prepared College calendar for two years.

#### **Industry - Institute tieup member**

- ✓ Arranged meeting for the Faculty to create awareness about the importance of Industry Institute tie up.

#### **Counseling cell member**

- ✓ Arranged counseling with counselor for the needy students.

#### **AT KNC, THELLAR**

#### **NSS Co ordinator (2005 – 2006)**

- ✓ Conducted rally to create awareness on AIDS and received best performer award from the management.

#### **OTHERS:**

- **Guided three** PG Students for dissertation.
- Acted as **External practical examiner** during University practical examination conducted by Thiruvalluvar university.
- Acted as **External Examiner** to conduct Viva Voce for the M.Phil Student Bharathidasan University distance education.
- **Guided 15 students** from 2004 onwards to present papers and posters in various seminars and competitions conducted by various institutions.
- Worked as **dance trainer** for the girls Students during cultural functions.
- Participated in **variety programme, throw ball and ring ball competitions** and won second prize held at Annamalai University, Chidambaram
- Acted as a **Class representative** for three years while doing under graduate programme.

#### **COMPUTER SKILLS:**

- ✓ Completed a one year programme on MS Windows 97 and MS Office 97 in NIIT.
- ✓ Have the potential to operate and work with computer.

#### **SOFT SKILLS:**

- ✓ Good Leadership
- ✓ Good team player
- ✓ Good Communication
- ✓ Motivator for Students

**PARTICIPATION IN E - COURSES, E -WEBINARS AND E – CONFERENCES**

S.No	Date	Nature of Programme	Topic	Organized by
1	20.04.2020	MOOC online courses	Operational planning guidelines and COVID- 19 partners platform to support country preparedness and response	WHO
2	21.04.2020		Introduction to poliomyelitis and the global polio eradication initiative	
3	04.05.2020		Standard Precautions-Hand Hygiene	
4	31.05.2020		Standard Precautions – Environmental Cleaning	
5	31.05.2020		Standard Precautions – Waste Management	
6	28.12.2020		COVID-19 vaccination training for health workers	
7	April 2020	Participation in Covid-19 pledge	Participation in COVID- 19 pledge	Govt. of India
8	21.04.2020	Member in NDL	-	-
9	27.04.2020	General awareness quiz	COVID- 19 pandemic	Department of Research Innovations Sponsored Projects & Entrepreneurships, Chandigarh Group of Colleges, Mohali
10	24.04.2020	General awareness quiz	Covid awareness quiz	Sri Sankara Arts and Science College, Enathur, Kanchipuram
11	08.05.2020	Webinar	NAAC Awareness Programme	NAAC, Bangalore
12	14.05.2020 (6.00pm – 7.00 pm)	Webinar	Good Teacher to Great Teacher	ICT Academy Skycampus
13	15.05.2020 To 17.05.2020 (9.00 am – 5.00 pm)	International e-Conference	Strategies and Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to World	Government Vidarbha Institute of Science and Humanities, Amravati, Maharashtra, India
14	16.05.2020 & 17.05.2020 4.00pm – 5.00 pm)	FDP	Project Proposal for Funding Agencies (UGC STRIDE & ICSSR IMPRESS): Preparation & Submission Protocol	Patrician College Research Committee, Chennai

15	18.05.2020	International Webinar	Activities to engage and motivate teenagers	Cambridge University Press
16	18.05.2020	FDP	My Life, My Pride, My Career	Patrician College Research Committee, Chennai
17	20.05.2020	International Webinar	An introduction to positive psychology : Wellbeing for your classroom	Cambridge University Press
18	20.05.2020 (6.00pm – 7.00 pm)	Webinar	Personal Financial Management	ICT Academy Skycampus
19	22.05.2020	International Webinar	International day of Biological diversity	Biotechnika Organisation
20	27.05.2020	FDP	Uncovering Piazza for Effective Teaching	Presidency College
21	27.05.2020	Quiz	COVID- 19 Pandemic General Awareness Quiz	Department of (RISE) Research, Innovations, Sponsored Projects & Entrepreneurship), Mohali
22	28.05.2020	National Webinar	Proteogenome approaches towards Biomarker discovery	Tirunelveli Dakshina Mara Nadar Sangam College, Kallikulam
23	25.05.2020 & 29.05.2020	FDP	ICT Tools for E-Content Development	Department of Computer Science & IQAC, WCC, Chennai

**Mrs.B.SRIDEVI**