FACULTY PROFILE

Name: Dr.S.AMIRTHAM

Designation: Head & Assistant Professor.

Department : PG & Research Department of Biotechnology. **College Name with Address:** Bon Secours College For Women,

Vilar Bypass, Thanjavur.

Email Id: sasrsjm@gmail.com

Linktree Website: https://linktree/Amirtham

Ph.No: 9443586776, 6380486283



ACADEMIC PROFILE

♣ Ph.D in Biotechnology, Highly Commended, Bharathidasan university,

Under the guidance of Dr.A.Settu, M.sc., Ph.D (Asst.Professor) Department Of Botany,, Govt arts and science college, Ariyalur, (TN).

Year of Awarded: (16th October 2020)

M.Sc., in Zoology, PERIYAR University, Salem.

Year of pass: May 2016 (69% First Class)

M.Sc., in Biotechnology, Bharathidasan university,

A.V.V.M. Sri Pushpam College, Poondi, Thanjavur.

Year of pass: May 2008 (83% First First Class with Distinction.)

B.Ed., in Biological Science, Tamil Nadu Teachers Education University,

Bon Secours College of Education, Vilar Bye Pass, Thanjavur.

Year of pass: May 2012 (86% First Class with Distinction.)

♣ B.Sc., in Zoology, Bharathidasan university,

K.N.G. Arts and Science College, Thanjavur.

Year of pass: May 2006 (79% First Class with Distinction, University Rank Holder,)

ADDITIONAL EDUCATIONAL QUALIFICATION

♣ Diploma in UGCES (Environmental Science) Bharathidasan University,

K.N.G. Arts and Science college.TNJ.

Year of pass: April 2004 (First Class)

♣ Diploma in CLP (Computer Literacy Program)Bharathidasan University,

K.N.G. Arts and Science college.TNJ.

Year of pass: December 2004 (First Class)

♣ Diploma in Agriculture, Tamilnadu agricultural University,

(Tamilnadu Govt. Agro Training centre-Pallipat)

year June 2016 - June 2017.

JOB PROFILE

Year of Joining: 2012

Teaching Experience as on date: 5 years as Assistant Professor & Head

5years as PG Assistant in Biology, (ICSE & ISC)

Areas of Interest: Oncology, Recombinant DNA Technology, Food Technology,

Life Sciences, Molecular Genetics.

Membership in Professional Societies:

♣ Lifetime membership in Tamil Nadu Science Forum, Chennai.

- Lifetime membership in International Association of Ayushpathi, Malaysia.
- 🖶 Lifetime membership in Asian federation of Biotechnology, Korea
- Member in Design and Development of Curriculum- Certificate Course
- 🖊 Member in Navjivan Center for development (NCD), Gujarat

TEACHING EXPERIENCE

1. Employer: Montfort ICSE School, Yercaud, Tamil nadu, India.

Years of Experience:

- 5 years of hands on experience in teaching Biology to the students of class VII to XII from June 2012 to 2015 and from 2017 to 2019. Handling both ICSE and ISC syllabus.
- 5 years of handling class VII to X students- ICSE syllabus.
- 2 years of handling class XI and XII students ISC syllabus.

2.Employer: Bon Secours College for Women, Villar By-pass, Thanjavur-613006, Tamilnadu, India.

Years of Experience:

• 1 year Work Experience as Assistant Professor, From June 2015 to April 2016 in The Department of Botany And Biotechnology; Bon Secours College for Women, Villar By-pass, Thanjavur-613006.

TECHNICAL EXPERIENCE

- **5 years of Research Experience as Research Scholar** in Department of Botany, Government Arts college, Ariyalur-Dt.
- **♣ 6 Month as a project analyst** in entitled project "Marker assisted selection for blast disease in Recombinant Inbred lines (RIL's) using Trait specific SSR marker". During the period of (7.1.2008 to 22.2.2008), **Department of Genetics and Plant Breeding, UAS, GKVK, Bangalore-560065.**
- **4** 1 year Work Experience as Phytochemical analysis in Ethno veterinary Herbal Training and research Unit, Nanjikkottai road, Thanjavur-6.

RESPONSIBILITIES

- lacktriangle Playing role as a Head of the Department.
- ♣ Playing role as IIC- Institution Innovation Council Ambassador
- ♣ Playing role as Zoonosis Ambassador
- ♣ Acting as a Mentor for Mentee Institution for NAAC Preparation under Paramarsh Scheme.
- ♣ Having experience as a Criterion VII coordinator & Eco Audit coordinator.
- ♣ Having experience as a
 - ✓ Committee member in IQAC Composition,
 - ✓ Internal DVV Member,
 - ✓ Steering Committee member,
 - ✓ Institution Innovation Council (IIC)Vice President,
 - ✓ Youth Exnora Member,
 - ✓ Youth Parliament Unit Coordinator,
 - ✓ UBA Cell Coordinator,
 - ✓ Examination Cell & Discipline Committee.
 - ✓ Coordinator Cum Secretary in Centre of Excellence
 - ✓ Coordinator of Bon Iraivi Solution
- Acquired Bharathidasan University Panel of Examiner.
- 🖊 Mentoring students for better performance
- Organising workshops / Seminars/ FDP for the Student Academic and Staff professional development.
- ♣ Participating in workshops / Seminars/ FDP & PDP for professional development.
- ♣ Submitting Project Proposal to Various Government Bodies in Order to improve Research
 Experience.

INVOLVEMENT IN ACTIVITIES TOWARDS PROMOTION OF THE DEPARTMENT AND INSTITUTION:

Department and Institution:

- ✓ Participation in IIC, EDII activities.
- ✓ Paramarsh scheme
- ✓ Implemented Bon Incubation centres
- ✓ MoU with Make in tern and Manyasanai Entrepreneur.
- ✓ Promoting students towards innovative ideas and participating in ideathon.
- ✓ Submitted proposal under DST CURIE, DBT STAR Scheme, TNSCST, FIST.
- ✓ Organised Seminar , workshop, conference etc., for the promotion of students and faculties
- ✓ Submitted proposals for the promotion of Research & Development
- ✓ Initiated new Pedagogical tools
- ✓ worked on promotion of value added products development

Academic work:

- ✓ Initiated Model classes for teachers at department level in line with teaching pedagogy, research sharing and OER tools.
- ✓ Developed e-contents using Loom & Miro road map platform

Research:

- ✓ Submitted 6 project proposals.
- ✓ Published book chapter and research papers are under review.

Professional Development:

- ✓ Attended all the programmes have been organised by IIC
- ✓ Participated in the following programmes to enhance the professional competencies,
 - Participated in a webinar, Funding opportunities conducted by EDII, Sastra University, Thanjavur
 - Participated in a webinar India export conducted by Sethuraman SathappanCompleted online courses from the Udemy, Learn to upgrade, make in tern and edx platform to develop domain knowledge and professional competency

Service to Community:

- ✓ Conducted survey on Poly cystic Ovarian Syndrome among BSC students
- ✓ Participated in Green Mission, Tamilnadu.
- ✓ Being an Evaluator, guide teachers and students to do science projects for National Children Science Congress to promote projects from Tamil Nadu

AREA OF SPECIALIZATION

♣ Oncology, Recombinant DNA Technology, Bio process Technology, Proteomics and Genomics, Bioinformatics, Microbial Biotechnology, Plant Bio-Technology, Animal biotechnology, Molecular Genetics, Botany, Zoology, Tissue Culture, Food Technology, Beverages, Traditional Rice cultivation and product making, Pharmacology.

TECHNIQUES KNOWN

- Cell lines Studies and Molecular Docking.
- Genetics-Marker Assisted Techniques.
- 🖶 Immunological and Bio Assay Techniques.
- PCR Handling Techniques.
- **Tissue Culture, Microbial and Fermentation Techniques.**
- Phytochemical analysis and Bio Chemical Techniques.
- Chromatography, Spectrophotometer and Electrophoresis Techniques.

ENTREPRENEUR BASED TECHNICAL SKILLS

- Mushroom Cultivation.
- 🖊 Apiculture.
- 🖶 Animal Husbandry Farming.
- ♣ Vermicompost.
- Bioenzyme Production.
- 🖊 Biofertilizer Production. (Azolla)
- Green House, Roof, Hanging, Vertical Gardening.
- 🖶 Hydrophonics, Horticulture and Olariculture.
- ♣ Wine Production.
- **♣** *Herbal products Production.*

Proficiency in Computer

- ♣ Working knowledge in handling Microsoft Office tools.
- **♣** Working knowledge in Biostatistics tools.

ACHIEVEMENTS

- ♣ Paryavaran Dronacharya Award for extraordinary performance in guidance and encouragement of students in Paryavaran Ratna Award Examination conducted by Indian Centre For Wildlife And Environmental Studies In South Asia Region. [One of my student score 85% marks in the above said exam and place second position in the country during the academic year 2014-2015 (Senior Level)]
- ↓ Vanyajeeva Dronacharya Award for extraordinary performance in guidance and encouragement of students in Vanyajeeva Ratna Award Examination conducted by Indian Centre For Wildlife And Environmental Studies In South Asia Region.

 [One of my student score 87% marks in the above said exam and place first position in the country during the academic year 2014-2015(Junior Level)]
- ♣ Awarded **Best Environmental Science Teacher** For The year **2014-2015** by **Indian Centre For Wildlife And Environmental Studies In South Asia Region**.
- ♣ Appointed as a Examiner for the ICSE 2018 Examination. Examiner number 11852362309.
- ♣ Recognized personally by the School Director and Principal as the Best Teacher for the effective Teaching Skills and Classroom Management
- ♣ Served as a co-coordinator for Various Talent Search Examinations and produced outstanding results
- Recognized with an award of honorarium for producing National Rank holders in Science Olympiad as the Teacher in-charge and the role played as the School coordinator
- **♣** Best Lesson Plan award for the year 2012.
- ♣ Best Lesson Plan award for the year 2013.
- **Hest maintain Attendance register award** for the year (2014-2015).
- **Best maintain Attendance register award** for the year (2017-2018).
- **Awarded Best Work done Record Maintained for the year 2018-2019**
- Co-ordinated School Science Exhibition- Young Scientist Fourm.
- ♣ Played an effective role as an Academic coordinator and internal supervising Examiner.
- ♣ Effective role played For 4 years as the School Coordinator for the ICSE & ISC board Examinations

- ♣ Awarded the Best Outgoing in B.Sc., Zoology
- Secured 14th University Rank in B.Sc.,
- ♣ Awarded the Best Outgoing in M.Sc., Biotechnology.
- ♣ Awarded for the meritorious service rendered as **voluntary service** during the year (2005-2006)"
- ♣ Awarded the <u>first prize for proficiency in</u> <u>major subjects(zoology)</u> during the course(2003-2006).
- ♣ Awarded the <u>first prize for proficiency in</u> <u>allied subjects(Botany</u>) during the course(2003-2006).
- ♣ Awarded the <u>second prize for proficiency in</u> <u>allied subjects(Chemistry)</u> during the course (2003-2006)

4

ONLINE COURSES COMPLETED:

- **♣** Online course in Bioinformatics Udemy
- ♣ Food Microbiology Learn to Upgrade
- **♣** Nano Biomedicine Make in Tern
- **♣** Commercial Food Production NPTEL

PUBLICATIONS OF RESEARCH PAPERS/PROCEEDINGS/BOOK CHAPTERS – INTERNATIONAL & NATIONAL

Title	Name of the Journal	Volume /year	Volume/no
Phytochemical and Antibacterial activities of Cardiospermum halicacabum leaf extract.	Scholars Research library- ISSN0975-508X.	2014,6(4): pg74- 77.	Archives of Applied Science Research.
Pharmacology of Harpagophytum procumbent.	Paper published in UGC Sponsored National Symposium on NEED BASED ON MODREN TRENDS IN ETHNOMEDICINE RESEARCH AYUSH REMEDIES 2007.	(26th&27th February 2007)	
Phtochemical and Anticholestrol activity of Aegel marmelos(L.) Corr. Leaf extract using in albino mice.	International journal of current microbiology and applied sciences. ISSN:2319-7706	(Feb-2016) pg:82-87.	Special issue-3
Isolation and Characterization of medicinal compounds from acetone,ethanol,methanol extract of Aegel marmelos,(L.)Corr	International journal of current microbiology and applied sciences. ISSN:2319- 7706	(Feb-2016) pg:100-105.	Special issue-3
The primitive In-Vitro pharmacological studies of the extracts from Withania somnifera.	Indo American journal of pharmaceutical Research. ISSN No:2231-6876	(feb-2017) pg;7526-7530,	7
Inhibition of DMBA induced carcinogenesis in albino mice by Withania somnifera extracts	International journal of life science. ISSN:2320- 7817/eISSN:2320-964X	2017 pg:107- 110	vol5(1)

ORIENTATION/FACULTY DEVELOPMENT PROGRAMME/ PROFESSIONAL DEVELOPMENT PROGRAMME/REFRESHER COURSE/ CONFERENCE/SEMINAR/SYMPOSIA ATTENDED etc.,

Title	Name of the organizer	date	No of days
FDP on Interpersonal relationship among staff and students	IQAC, Bon Secours College for Women, Thanjavur.	10 & 11 th June 2019	2
Two days National Level seminar On Emerging trends In Plants Science	Department of plant science, Bharathidasan University, Trichy.	10th & 11th of March 2016	2
One day national Level seminar on Recent Trends and Challenges in Biosciences RCTB-2016	P.G & Research dept. of Zoology, Khadir mohideen college, adirampattinam, affiliated to Bharathidasan university, Trichy.	16th October 2016	1
National Seminar on "Advances in Bulk Grain Storage & Smart Sensor and IOT Application in Warehouses"	Department of Zoology, Government College for Women (Autonomous), Kumbakonam, Tamilnadu	25.07.2019 & 26.07.2019.	2
FDP Programme on 'Research and Innovation'	Sri Ramakrishna Arts and Science College, Coimbatore	13.04.2020.	1
Webinar on 'Advanced CSIR NET Preparation'	organised by BioTecNika	21.04.2020.	1
Webinar on 'Effective Parenting during the lockdown: Addressing Challenges'	Bharathi College, Delhi	21.04.2020	1
webinar on "New NAAC Revised Schedule"	Bharathi college, Delhi	21.04.20	1
FDP on 'Article writing- Tips and Paper Publish'	organized by Vivekananda college	21.04.2020 to 28.04.2020.	8
workshop on 'Creation of E -content, Animated E-content, Uploading the E- Content to the Web'	Universal Teachers Academy	21.04.2020 to 30.04.2020	10
seven days live webinar on 'Quality Article Writing- Tips & Tricks'	Dr. M.G.R. Educational and Research Institute, Chennai	22.04.2020 to 30.04.2020.	7
Webinar on 'How to survive the worst Economic collapse in Historya special webinar for Bioprofessionals'	BioTecNika	23.04.2020.	1
NPTEL online special lecture the topic of Bharati script ADM – Application , Development & Maintenance services	NPTEL	24.04.2020.	1
webinar on 'Empathy and positive frame of mind" organised by Faculty of Engineering and Technology	SRMIST, Ramapuram Campus	26.04.2020.	1
webinar conducted by law courses entitled "IP stratergy and valuation and patent protection"	Law College, Chennai	26 .04.20.& 27.04.20	2
online course on 'Learn Bioinformatics	UDEMY	27.4.2020.	6
NPTEL online live special lecture series on 'Learn about cutting edge technology'	NPTEL	27.04.2020 to 30.04.2020.	4
webinar on "criteria v: student support and progression under reviced accreditation framework of nace"	IQAC, Bharati college & Sri Aurobindo college, University of Delhi	27.04.2020	1
webinar on 'Green Buildings, Technology and Pedagogy'	Faculty of Engineering and Technology, SRM IST Ramapuram Campus	27.04.2020.	1

On a law Online I astrone at 21 ST	English CE with a design of Total and CEM	20.04.2020	1
One day Online Lecture on 21 ST century Teacher Skills (Technology & Pedagogy) entitled 'Cognitive Dimensions of learning'	Faculty of Engineering and Technology, SRM IST Ramapuram Campus	28.04.2020.	1
three days Faculty Development Programme on "Research Methodology"	Department of Biotechnology, Bon Secours college, Thanjavur.	28.4.20 – 30.4.20	3
webinar on 'How to Prepare Technical Papers, Design thinking as a pedagogy, Automation industry – present & Future, Fuel Cell'	Excel Engineering College, Komarapalayam	29.04.2020 - 02.05.2020.	4
"Human Coronavirus: Host Pathogen Interaction and Prevention"	Department of Biochemistry, St. Francis College For Women, Hyderabad	30.04.2020	1
"Decoding of plant genomes and its use in crop improvement"	National institute for plant biotechnology, PUSA campus	02.05.20.	1
"Police service and Personal experience"	NPTEL	03.05.2020	1
webinar on 'THE POWER OF A TEACHER'	ICT Academy, Skycampus, Chennai	04.05.2020	1
webinar on "How to write research proposal, How to convert paper into patent & Green energy"	Excel Engineering College	04. 05. 20 to 06.05.20.	3
FDP webinar on entitled with "Way to do research in 5G communication and beyond, Art of writing a scientific article step by step guidelines"	Rohini college of engineering & Technology	04. 05. 20 to 06.05.20.	3
FDP- Webinar on "Effective & Instructive Research"	Sona College of Technology, Salem	4.05.2020- 10.05.2020	7
Webinar on "Creative digital tools for teacher educators"	Tamilnadu Teachers education university, Chennai	05.05.2020	1
FDP webinar entitled with " Research work flows, Research metrics and excellence in academic institute"	Elsevier science & AICTE	06. 05.20	1
Online courses on "Communication Mastery"	Annamalai university, Centre for Skill Development, Chithambaram	06. 05.20	1
Online courses on "Skill in Higher Education" & "Leadership Mastery"	Online courses on "Skill in Higher Education" & "Leadership Mastery"	08.05.20.	1
FDP webinar titled "Research development"	UKA, Tarsadia university, Bardoli	11.05.20 to 16.05.20	6
webinar on " Teaching Learning Tools for the Digital Era"	Sri Ramakrishna college of arts and science, Coimbatore	11.05.20 to 16.05.20.	6
Online courses on "Life Skill Training"	Annamalai university, Centre for Skill Development, Chithambaram	12.05.20 & 13.05.20.	2
Online courses on "Digital tools for teaching"	Annamalai university, Centre for Skill Development, Chithambaram	12.05.20 to 16.05.20.	5
15 days webinar-Research analysis	School of Chemistry and Biotechnology, Sastra University, Vallam, Thanjavur	13.05.20 to 30.05.20	18
National level webinar on "Biomedical Textile A Sojourn from Fibers to Fabrics"	Department of Electronics, Sri RamaKrishna Arts and Science College, Coimbatore	14.05.2020	1
webinar on "Tips and tricks for effective research"	Idhaya College For Women, Kumbakonam	15.05.20	1
webinar on "Watering Your Dream Seed"	Minerva professional training centre and versatile business & Research solutions, Coimbatore	15.05.20	1

M. 11 1EDD 1: (41.14	DVDA CH CW	15.05.20	
National level FDP webinar titled " Entrepreneurship and Innovation"	P.K.R Arts College for Women, Gopichettipalayam	15.05.20 to 20.05.20.	6
webinar titled "Preparation of home based teaching learning materials for use of parents with CWSN during covid-19 lockdown"	Aacharya Balshastri Jambhekar College of Special Education, Maharashtra	16.05.20.	1
Employability Enhancement Webinar Series titled "Patent Professional - as a Career"	Intellectual Property Rights Cell, Bharathidasan University, Trichy	18.05.2020.	1
International Webinar on "Trends in Microbiology"	PG & Research Department of Microbiology, J.J. College of Arts and Science, Pudukottai	18.05.2020. to 20.05.2020.	3
National level webinar titled " Reflections and suggestions on using Technology in Indian schools and universities"	Vels school of education, Chennai	20.05.20.	1
National Webinar entitled "Host- pathogen Interactions: Concepts of virulence and prevention strategies"	Department of Biochemistry	20.05.2020 & 21.05.2020.	2
webinar titled "How to be an Excellent Online Instructor"	Unitie up organization	21.05.20.	1
National level online FDP on " Artificial intelligence"	organised by Sridevi Womens Engineering College, Hyderabad	22.05.20 to 26.05.20	5
Online FDP on "Effective use of Web 2.0 and E-Content Learning"	Human Resource Development Cell, Bon Secours College for Women, Thanjavur	27.08.2020 to 29.08.2020	3
Faculty Development Programme on "UNDERSTANDING PEDAGOGY AND RESEARCH OUTPUT"	PG and Research Department of Biochemistry in Association with IQAC, sengamala thayaar educational trust women's college (autonomous).	23.06.2021 to 24.06.2021	2
International webinar on "Cellular Recycling: Role of Autophagy in health & Disease"	department of Microbiology, Rathinavel subramaniam college of arts & Science, Coimbatore.	29 th june 2021	1
faculty development programme on "Digital Teaching methods in higher education"	Hindustan college of arts & Science, Coimbatore	23 rd August to 28 th August 2021.	6
webinar on "Adoption and Implementation of Swayam MOOC Courses- An Institutional Perspective"	under the aegis of IQAC, MGV's Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik	18th August 2021.	1
International Virtual FDP on " Entrepreneur Skills, Investment opportunities in financial Markets and Management"	department of commerce, Institution Innovation Council & Faculty development cells, of Rathinam college of arts & science, Coimbatore,	23.08.2021 to 2.09.2021.	10
National Level online webinar "Current Trends in Research & Innovation - Research Paper Publications - IPR and Patents - Research Projects & Fundraising"	"Institute for Academic Excellence, Hyderabad" in collaboration with "Collegiate Education & Technical Education Department, Telangana State.	27th - 31st August 2021	5
one-day online workshop on "Bloom's Taxonomy based Question Paper Design for Outcome Based Education in Biotechnology- A Teacher's vision"	Organized by Department of Biotechnology in association with the Internal Quality Assurance Cell (IQAC) and Outcome Based Education Monitoring Council on under UGC PARAMARSH Scheme.	27.09.2021	1
one-day online workshop on "Create a Interactive webpage designing using HTML & CSS"	AAKKAM – KCS, Coimbatore.	20.11.2021	1
one-day online workshop on " Getting Knowledge on poster design using Photoshop"	AAKKAM – KCS, Coimbatore.	20.11.2021	1

one-day online workshop on " Dynamic website creation using Phython/Flask/Mysql"	AAKKAM – KCS, Coimbatore.	20.11.2021	1
Faculty Development Programme on "Thrust Areas of Biofertilizer Production Technology"	Department of Botany under DBT - STAR COLLEGE SCHEME MINISTRY OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA, NEW DELHI, by V. V. Vanniaperumal College for Women, Virudhunagar Tamil Nadu, India	16.02.2022 to 18.02.2022.	3
national webinar on IPR for Patening Innovations and Inventions	department of computer science and applications and Institutions innovation council of periyar maniammai Institute of science and Technology (PMIST) in collaboration with Intellectual property awareness mission(NIPAM), Govt of India.	25.02.2022	1
National Seminar on "Trends in Field Plant Taxonomy and Conservation"	Department of Botany under DBT - STAR COLLEGE SCHEME MINISTRY OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA, NEW DELHI, by V. V. Vanniaperumal College for Women, Virudhunagar Tamil Nadu, India	07.03.2022	1
National Level Virtual power Seminar on "Women Empowerment"	Annai vailankanni Arts & Science college, Thanjavur	08.03.2022.	1
International Workshop on "Application of Nanoscience in Multidisciplinary Fields (IWANS- 2022)"	Department of Chemistry & Division of Nanotechnology of Periyar Maniammai Institute of Science & Technology (Deemed to be University), Vallam, Thanjavur	7 th to 11th March 2022.	5
Online Workshop on Application of Environmental Chemistry"	the Centre for Energy and Environment, Department of Chemistry & Department of Civil Engineering of Periyar Maniammai Institute of Science & Technology (Deemed to be University), Vallam, Thanjavur jointly with Water, Sanitation and Hygeine (WASH Institute), Kodaikanal	18.3.2022	1

DECLARATION:

I hereby declare that the above-mentioned information are true to the best of my knowledge.

Place : Thanjavur yours Sincerely

Date : (Dr.S.AMIRTHAM)