

Education

- August 2017** **Doctor of Philosophy in Biotechnology (PhD)**
Jamal Mohamed College (Autonomous) – Bharathidasan University, Tiruchirappalli – 620 024, TN
Title: *In vitro* and *in vivo* analysis of *Clausena anisata* (Willd.)Hook. f. ex Benth crude and SNP extracts against antioxidant, antibacterial and hypoglycemic activity
- 2008 - 2009** **Master of Philosophy in Biotechnology (M.Phil) - 86%**
St. Joseph's College (Autonomous) – Bharathidasan University, Tiruchirappalli – 620 024, TN
Title: Biochemical and molecular characterization of stroke
- 2006 - 2008** **Master of Science in Biotechnology (M.Sc) - 83%**
Bishop Heber College (Autonomous) – Bharathidasan University, Tiruchirappalli – 620 017, TN
Title: Isolation, Morphological Characterization and Enzyme Activity in Anaerobic Fungi Isolated from Indian Cross Bred Cattle
- 2003 - 2006** **Bachelor of Science in Microbiology (B.Sc) - 74.09%**
Cauvery College for Women– Bharathidasan University, Tiruchirappalli – 620 018, TN
- 2006 - 2008** **Diploma in Bio-Analytical Techniques (DBAT) - 91%**
Bishop Heber College (Autonomous) – Bharathidasan University, Tiruchirappalli – 620 017, TN
- 2003** **Hr sec. Leaving Certificate (HSLC) – 78.05%**
St. Philomena's Girls Hr. Sec School, Tiruchirappalli - 620001, TN
- 2001** **Sec. School Leaving Certificate (SSLC) – 86%**
Our Lady of Lourdes Girls Hr. Sec School, Dindigul- 620002, TN

Papers Published

- Jan - Apr 2021** Arsia Tarnam Y. In vitro Evaluation of Purple Inflorescence of *Gomphrena globosa* (L.) Extracts for Anti- inflammatory Activity and its GC/MS Profile. Asian Journal of Biological and Life Sciences, Vol 10, Issue 1, Jan-Apr, 2021.
- Jan - Apr 2021** Arsia Tarnam Y. In vitro Antidiabetic, Antioxidant and Antiglycation Activity of Ethanolic Leaf Extract of *Gomphrena globosa* (Linn.). Asian Journal of Biological and Life Sciences, Vol 10, Issue 1, Jan-Apr, 2021.
- July - Oct 2019** Arsia Tarnam Y. Plants as biofilter in indoor volatile organic compounds removal: an overview. Journal of Food, Agriculture, Environment; 17 (3&4):80-84.
- January 2018** Arsia Tarnam Y, Nargis Begum T, Syed Jahangir H, Shilu Mathew, Muhammad Ilyas MH. *In vivo* Analysis of *Clausena anisata* (Willd.) Hook. f. ex Benth Crude and SNP Extracts Against Antioxidant and Hypoglycemic Activity. International Journal of Pharmaceutical and Clinical Research 2018; 10(1): 28-39.
- September 2016** Arsia Tarnam Y, Nargis Begum T, Muhammad Ilyas MH, Shilu Mathew, Archunan Govindaraju, and Ishtiaq Qadri. Antioxidant and Hypoglycemic Activities of *Clausena anisata* (Willd.) Hook F. Ex Benth. Root Mediated Synthesized Silver Nanoparticles. Pharmacognosy Journal, 2016, 8(6): 579-586.
- September 2016** Arsia Tarnam Y, Nargis Begum T, Muhammad Ilyas MH, Shilu Mathew, Archunan Govindaraju, and Ishtiaq Qadri. Green synthesis, Antioxidant Potential and Hypoglycemic Effect of Silver Nanoparticles using Ethanolic Leaf Extract of *Clausena anisata* (Willd.) Hook. F. Ex Benth. of Rutaceae. Pharmacognosy Journal, 2016, 8, 6,565-575.
- Nov-Dec 2016** Arsia Tarnam Yakoob, Nargis Begum Tajuddin, Shilu Mathew, Muhammad Ilyas Mohammed Hussain, Ishtiaq Qadri. Gc-Ms Analysis of Ethanolic Stem Extract of *Clausena anisata* (Willd.) Hook F Ex Benth. Pharmacogn J; 8(6): 576-578.
- July 2014** Arsia Tarnam Y, Nargis Begum T & Lamy N. *In vitro* Screening of Antioxidant, Antidiabetic and Antibacterial Activity Of *Clausena Anisata* (Willd) Hook (Rutaceae) Root Extracts. Scholars World- International Refereed Multidisciplinary Journal of Contemporary Research. Vol 2(3); ISSN 2319-5789.

- April – June 2014** Arsia Tarnam Y, Nargis Begum T & Deepa NS. Study of Antioxidant, Antidiabetic And Antibacterial Activity of *Clausena Anisata* (Willd) Hook (Rutaceae) leaf Extracts. International Journal of Research in Pharmacology & Pharmacotherapeutics. Vol 3(2); ISSN 2278-2656.
- July – Sep 2014** Arsia Tarnam Y & Sahitha Nizwan Z. Study of *In vitro* antioxidant, anti-inflammatory and acid base indicator properties of flower extracts obtained from five traditional plants. International Journal of Allied Medical Sciences and Clinical Research. Vol 2(3); ISSN 2347- 6567.
- Jan 2014** Arsia Tarnam Y, M H Muhammad Ilyas & T Nargis Begum. Biological Potential and Phytopharmacological Screening of *Gomphrena* Species. International Journal of Pharma Research & Review. Vol 3(1); ISSN 2278-6074.
- Oct – Dec 2013** Arsia Tarnam Y & Nargis Begum T. Preliminary Phytochemical Screening of Four Medicinal Plants Used for the Treatment of Diabetes. International Journal of Research in Pharmaceutical and Biomedical Sciences. Vol 4(4); ISSN 2229-3701.

Book Chapter

- 2021** 'NEPTUNE AEGAGROPILI' - IN MICRO PLASTICS CLEAN UP – Ecology Research (Volume II); ISBN: 978-93-88901-20-8; Bhumi Publishing, Nigave Khalasa, Kolhapur 416207, Maharashtra, India; Website: www.bhumipublishing.com

Areas of Interest

Cell and Molecular Biology, rDNA Technology, Genetics, Microbiology and Immunology.

Personal Skills

Research Profiling; Communicative English; Multi-lingual Efficiency; Team Person, Resilient, Adaptive and Hard working. Committed and Motivated for Research.

Academic Achievements

- 2008 - 2009** Overall First Rank holder and Gold Medalist in M Phil Biotechnology (St.

Josephs College, Tiruchirappalli – 620002, TN)

- July 2004 – Feb 2005.** Undergone a fast track course on MS office (Cauvery College for women, Tiruchirappalli – 620018)
- 2000** Participated in All India General Knowledge Test – 2000, (Organised by Education Society for Competition, Hyderabad)
- Attended and participated several National Level Seminars and Workshops.

Research Experience

- March 2009 – July 2009** M Phil Research Project: “Biochemical and molecular characterization of stroke”, National Institute of Genetics and Hospital for Genetic Diseases. Osmania University, Hyderabad. The aim of the study was to characterize the genes involved in stroke.
- December 2007 – March 2008** M.Sc Research Project “Isolation, Morphological Characterization and Enzyme Activity in Anaerobic Fungi Isolated from Indian Cross Bred Cattle”, National Institute of Animal Nutrition and Physiology, Bangalore.
- The aim of the study was to determine the Enzyme Activity and to Profile, amplify DNA of the isolated Anaerobic Fungi from Rumen Liquor.

Work Experience

- July 2011 – Till date** Assistant Professor, PG & Research Department of Biotechnology, *Jamal Mohamed College (Autonomous) – Bharathidasan University, Tiruchirappalli – 620 024, TN*
- May 2010 – April 2011** Assistant Professor, *St. Joseph’s College (Autonomous) – Bharathidasan University, Tiruchirappalli – 620 024, TN*

Workshop Attended

- Jan 2020-2021** Participated in several online workshops
- 23rd January, 2019** Attended Lecture cum Hands on Workshop on “An Overview Of NGS Methods, NGS File Formats and Data Analysis & “Variant Analysis of NGS Data using Galaxy Server” Organised by PG and Research Dept of Biotechnology and Bioinformatics, Bishop Heber College, Trichy.
- January 27 &** Attended state level workshop on Organic farming production (An

- 28, 2017** entrepreneurship programme). Organized by PG & Research Department of Microbiology, Jamal Mohamed College, Tiruchirappalli – 20
- Dec 10, 2016** Participated in one day workshop “The role of a teacher in the present scenario” Organised by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli – 20
- March 21-
March 22,
2014** Attended workshop on protein separation technique and molecular docking studies (PRODOCK-2014), Organized by PG and Research Department of Biotechnology and Bioinformatics, Bishop Heber College, Trichy – 20
- Sep 22 – Sep
25, 2014** Attended Four Day workshop on "LATEX and SPSS" Organised by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli – 20
- Jan 29 – 31,
2014** Attended a Three day Science Academies’ Lecture Workshop on ‘Recent Trends in Biology and Biotechnology’ – RTB2 - 2014, Organised by P.G & Research Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli – 20. Sponsored and supported by Indian Academy of Sciences, Bengaluru; Indian National Science Academy, New Delhi & the National Academy of Science, Allahabad
- March 5, 2012** Attended State Level workshop in Bioinformatics on “Computer Aided Drug Design– CADD’12” Organised by PG Department of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli – 17
- Oct 2, 2011** Attended Colloquium on “3R Concept and its practice in Academia and Research” held at Bharathidasan University, Trichy – 24
- June 4 – June
18, 2007** Undergone a Training Programme in the Division of Cancer Research, Regional Cancer centre, Thiruvananthapuram

National Level Seminars Participated

- Jan 2020-
2021** Participated in several online Webinars
- 5th March,
2019** Participated in State level seminar “Conservation of Biological Diversity”, Organised by PG and Research Dept of Zoology, Periyar EVR College, Trichy.
- 23rd June,** Participated in Writing Winnable Project Proposals organized by IQAC,

- 2018** Jamal Mohamed College, Trichy - 20
- 18th & 19th
January, 2018** Professional Development for Academic Leadership in Curriculum Design organized by Curriculum Development Cell, Jamal Mohamed College, Trichy.
- 11th
September,
2018** Participated in International seminar “New Vistas in Life Sciences” Organised by PG and Research Dept of Biochemistry, Holy Cross College, Trichy – 20
- 3rd March,
2018** Participated in International seminar “Emerging trends in biological research (ETBR 2018)” Organised by the PG & Research Department of Biotechnology & Microbiology, Jamal Mohamed College, Tiruchirappalli – 20
- 2nd March,
2018** Participated in one day lecture series on “Translational Biotechnology for A Better Tomorrow” Organised by Department of Biotechnology, St Joseph’s college (Autonomous) Tiruchirappalli – 620 002.
- 1st March,
2018** Participated in One day seminar on “Intellectual property rights and patenting in Life sciences: problems and prospects” Organised by the Department of Botany, Jamal Mohamed College, Tiruchirappalli – 20.
- 15th Feb, 2018** Participated in One day national seminar on “Advances in animal science for sustainable development (AASSD)” Organised by the Department of Zoology, Jamal Mohamed College, Tiruchirappalli – 20.
- 17, 19 & 20
June, 2017** Participated in three day “NLP-Based faculty empowerment programme” Organised by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli – 20
- Feb 25, 2015** Participated in One day seminar on “Recent trends in Life Sciences” Organised by the Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli – 20
- Aug 8 & 9,
2013** Participated in National seminar on “Frontiers in Biotechnology” Organised by PG & Research Department of Biotechnology, Nehru Memorial College, Puthanampatti – 621007
- March 7, 2012** Participated in One day seminar on “Teaching, Learning & Research in Higher – Excellence and beyond Excellence” Organised by the Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli – 20
- Oct, 2011** Participated in Colloquium on ‘3R concept and its practice in Academia and Research’ organized by Mahatma Gandhi-Doerenkamp chair for

alternatives to use of animals in lifescience education, held at Bharathidasan University, Tiruchirappalli –620024

Feb 17 – 18, 2011 Participated in International conference on “Recent Trends in Life Science” Organised by PG & Research Department of Zoology, Holy Cross College (Autonomous), Tiruchirappalli – 620 002.

June 27, 2009 Participated in Seminar on “Radiation Effects in Biology and Medicine” Organised by Institute of Genetics and Hospital for Genetic Diseases, Hyderabad and Indian Nuclear Society, Hyderabad

Oct 14 – 16, 2008 Participated in National Level Seminar on “Molecular Modelling and Drug Design” Organised by the Department of Information technology, Govt. of India, New Delhi & Pondicherry University.

Dec 6, 2008 Participated in National Seminar On “Advances in Biopharming Technologies” Organised by PG Department Of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Tiruchirappalli.

July 16, 2007 Participated in Intercollegiate seminar, which was organized to mark the First edition of the annual Dr G N Ramachandran Memorial Lecture Organised by Department of Biotechnology, St Joseph’s college (Autonomous) Tiruchirappalli – 620 002.

Aug 24 – 25, 2006 Participated in UGC sponsored National level seminar on “Emerging Trends in Life Sciences 2006” Organised by the Department of Zoology, Bishop Heber college (Autonomous), Tiruchirappalli – 620 017.

Feb 20 – 21, 2006 Participated in National seminar on “Frontier Areas in Biological Research” Organised by Department of Biotechnology, Bishop Heber college (Autonomous), Tiruchirappalli – 620 017.

Sep 19, 2006 Participated in One-Day National Seminar on “Thrust areas in Biotechnology” Organised by Department of Biotechnology, Bishop Heber college (Autonomous), Tiruchirappalli – 620 017.

Posters Presented

Nov 7, 2020 **Best poster award** in E-poster presentation in the Virtual One day International Conference on “Importance of Microorganisms in Research – ICIMR 2020 – Organized by IQAC and Department of Microbiology, Annai Violet Arts and Science College, Chennai – 600 053

Jan 9 & 10, In International conference on Biotechnological Innovations towards global

- 2013** development (BITGD – 13). Organised by Department of Biotechnology and Bioinformatics, Bishop Heber College, Tiruchirappalli – 620017.
- Feb 27 & 28, 2013** Presented a poster on “Medical Microrobotics” in National conference On “Current Trend in Chemistry Research (NCTCR-2013)” Organised by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirapalli – 620 020.
- Feb 7 & 8, 2013** Presented a poster on “Morphological and Microstructural characterization of novel nano-organisms” in National Conference On “Advances in modern biology and environment” Organised by Department of Zoology, H.H The Rajahs Govt. College (Autonomous), Pudukkottai – 622001.
- Aug 8 & 9, 2013** Presented a paper on “Oil – Hungry Bacteria: Alcanivorax borkumensis” in CSIR Sponsored National Seminar on Frontiers in Biotechnology, at PG & Research Department of Biotechnology, Nehru Memorial College, Puthanampatti – 621007.
- March 7 & 8, 2013** Presented a poster on “Biodegradation using genetically engineered microorganisms” in National conference On “Current challenge in Environment” Organised by PG and Research Department of Zoology, Jamal Mohamed College (Autonomous), Tiruchirapalli – 620 020.
- March 7 & 8, 2007** Presented a poster on “Water supply and sanitation” in National Seminar On “Ensuring Environmental Sustainability” Organized by PG and Research Department of Environmental sciences, Bishop Heber college (Autonomous), Tiruchirappalli – 620 017.

Orientation Programme

- June 26 – July 24, 2020** Successfully completed Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education by Teaching Learning Centre, Ramanujan College, University of Delhi
- June 10 – 12, 2010** Took part in Orientation Programme conducted in St. Joseph’s College (Autonomous) at Tiruchirappalli, TN

Languages for Communication

- Multi-Lingual** Speak: English, Tamil, Urdu, and Hindi
Read: English, Tamil and Arabic

Write: English and Tamil

Personal Profile

Born on 25th Female, Single, Indian
March, 1986

References

On per request