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**PG & Research Department of Biotechnology,**  
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## **EDUCATION**

### **Undergoing DOCTOR of Philosophy in Biotechnology;**

JAMAL MOHAMED COLLEGE (Autonomous), Tiruchirappalli 620020  
(Bharathidasan University) TN (April 2013 – Till Date).

### **MASTER of Philosophy in Biotechnology DISTINCTION 86%;**

ST JOSEPH'S COLLEGE (Autonomous), Tiruchirappalli 620002  
(Bharathidasan University) TN (2008 – 09).

### **MASTER of Science in Biotechnology DISTINCTION 83 %;**

BISHOP HEBER COLLEGE (Autonomous), Tiruchirappalli 620017  
(Bharathidasan University) TN (2006-08).

### **BACHELOR of Science in Microbiology FIRST CLASS 74.09 %**

CAUVERY COLLEGE FOR WOMEN, Tiruchirappalli 620017  
(Bharathidasan University) TN (2003 - 06).

### **DIPLOMA in Bio-Analytical Techniques DISTINCTION, 91 %**

BISHOP HEBER COLLEGE (Autonomous), Tiruchirappalli 620017  
(Bharathidasan University) TN (2006-08).

### **HR SEC. Leaving Certificate DISTINCTION, 78.05 %**

ST. PHILOMENA'S Girls Hr. Sec School, Tiruchirappalli 620001 (April  
2003).

### **SSLC DISTINCTION, 86 %**

OUR LADY OF LOURDES Girls Hr. Sec School, Dindigul (April 2001).

## PAPERS PUBLISHED

- ❖ \*Arsia Tarnam Y, Nargis Begum T & Lamyia N (2014). *Invitro* 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); July 2014; ISSN 2319-5789.
- ❖ \*Arsia Tarnam Y, Nargis Begum T & Deepa NS (2014). 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); April – June 2014; ISSN 2278-2656.
- ❖ \*Arsia Tarnam Y & Sahitha Nizwan Z (2014). Study of *Invitro* 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); July – September 2014; ISSN 2347- 6567.
- ❖ Arsia Tarnam Y, M H Muhammad Ilyas\* & T Nargis Begum (2014). Biological Potential and Phytopharmacological Screening of *Gomphrena* Species. International Journal of Pharma Research & Review. Vol 3(1); Jan 2014; ISSN 2278-6074.
- ❖ \*Arsia Tarnam Y & Nargis Begum T (2013). 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); Oct – Dec 2013. ISSN 2229-3701.

## AREAS OF INTEREST

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

## SKILLS

Handling Nucleic Acids & Proteins; Profiling through Electrophoresis; PCR, RAPD and Instrumentation, Restriction Digestion of DNA, Ligation of DNA fragments, Cloning, Screening of Recombinants, Immunoelectrophoretic Technique and Immunodiffusion techniques.

## **PERSONAL SKILLS**

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

## **ACADEMIC ACHIEVEMENTS**

- Overall First Rank holder and Gold Medalist in M Phil Biotechnology (St. Josephs College, Tiruchirappalli – 620002) during 2008 – 2009.
- Participated in All India General Knowledge Test – 2000, (Organised by Education Society for Competition, Hyderabad) during 2000.
- Undergone a fast track course on MS office (Cauvery College for women, Tiruchirappalli – 620018) during July 2004 – Feb 2005.
- Undergone a certificate course on Effective communication skills in English, (Organised by The Institute for Entrepreneurship and career Development, Bharathidasan University, Tiruchirappalli – 23) during December 2005.
- Attended and participated several National Level Seminars and Workshops.

## **RESEARCH EXPERIENCE**

**M PHIL Research Project** “*Biochemical and molecular characterization of stroke*”, National Institute of Genetics and Hospital for Genetic Diseases. Osmania University, Hyderabad from March 2009 – July 2009. The aim of the project was to characterize the genes involved in stroke.

**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 from 26<sup>th</sup> December 2007 – 25<sup>th</sup> March 2008. The project was to determine the Enzyme Activity and to Profile, amplify DNA of the Isolated Anaerobic Fungi from Rumen Liquor.

## **WORK EXPERIENCE**

- ❖ Worked as an Assistant Professor in St. Joseph's college, Trichy from 21/5/2010 – 11/4/2011.
- ❖ Working as an Assistant Professor in Jamal Mohamed College, Trichy from July, 2011 – Till Date.

## **WORKSHOP ATTENDED**

- ❖ Attended Four Day workshop on "LATEX and SPSS" Organised by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli – 20, from 22<sup>nd</sup> September – 25<sup>th</sup> September 2014.
- ❖ Attended a Three day Science Academies' Lecture Workshop on 'Recent Trends in Biology and Biotechnology' – RTB2 - 2014 on Jan 29 – 31st, 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.
- ❖ 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 held on 5<sup>th</sup> March 2012.
- ❖ Undergone a Training Programme in the Division of Cancer Research, Regional Cancer centre, Thiruvananthapuram from 04/06/2007 to 18/06/2007.

## **NATIONAL LEVEL SEMINARS PARTICIPATED**

- ❖ 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 on 7<sup>th</sup> March 2012.
- ❖ 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 on October, 2011.

- ❖ Participated in International conference on “Recent Trends in Life Science” Organised by PG & Research Department of Zoology, Holy Cross College (Autonomous), Tiruchirappalli – 2 from 17<sup>th</sup> – 18<sup>th</sup> Feb 2011.
- ❖ Participated in National Level Seminar on “Molecular Modelling and Drug Design” during 14<sup>th</sup> to 16<sup>th</sup> October 2008 organised by the Department of Information technology, Govt. of India, New Delhi & Pondicherry University.
- ❖ Participated in UGC sponsored National level seminar on “Emerging Trends in Life Sciences 2006” during 24<sup>th</sup> & 25<sup>th</sup> August 2006 organised by the Department of Zoology, Bishop Heber college (Autonomous), Tiruchirapalli – 620 017.
- ❖ Participated in National seminar on “Frontier Areas in Biological Research” during 20<sup>th</sup> & 21<sup>st</sup> February 2006 organised by Department of Biotechnology, Bishop Heber college (Autonomous), Tiruchirapalli – 620 017.
- ❖ Participated in One-Day National Seminar on “Thrust areas in Biotechnology” on 19<sup>th</sup> September 2006 organised by Department of Biotechnology, Bishop Heber college (Autonomous), Tiruchirapalli – 620 017.
- ❖ 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 on 27<sup>th</sup> June 2009.
- ❖ Participated in National Seminar On “Advances in Biopharming Technologies” on 6<sup>th</sup> December 2008 organised by PG Department Of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Tiruchirappalli.
- ❖ Participated in Intercollegiate seminar, which was organized to mark the First edition of the annual Dr G N Ramachandran Memorial Lecture On 16<sup>th</sup> July 2007 organised by Department of Biotechnology, St Joseph’s college (Autonomous) Tiruchirappalli – 620 002.

#### **POSTER PRESENTED**

- ❖ In International conference on Biotechnological Innovations towards global development (BITGD – 13). Jan 9 & 10, 2013 Organised by Department of Biotechnology and Bioinformatics, Bishop Heber college, Tiruchirappalli – 620017.
- ❖ Presented a poster on “Water supply and sanitation” in National Seminar On “Ensuring Environmental Sustainability” during 7<sup>th</sup> & 8<sup>th</sup> March 2007 Organised

by PG and Research Department of Environmental sciences, Bishop Heber college (Autonomous), Tiruchirapalli – 620 017.

### **PAPERS PRESENTED**

- ❖ Presented a paper on “Morphological and Microstructural Characterisation of Novel Nano Organisms” in National Conference on Advances in Modern Biology and Environment on 7 & 8 Feb – 2013, Organized by Department of Zoology, H.H. The Rajahs Government college, Pudukottai – 622001.
- ❖ Presented a paper on “Medical Microrobotics” in National conference on Current Trends in Chemistry Research On 27<sup>th</sup> & 28<sup>th</sup> Feb, 2013 at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli – 620020.
- ❖ Presented a paper on “Biodegradation using Genetically Engineered Organisms” in National conference on Current Challenges in Environment “NC3E’ – 2013. March 7 & 8, 2013, PG & Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli – 620020.
- ❖ Presented a paper on “Oil – Hungry Bacteria: *Alcanivorax borkumensis*” in CSIR Sponsored National Seminar on Frontiers in Biotechnology on 8<sup>th</sup> – 9<sup>th</sup> August, 2013, at PG & Research Department of Biotechnology, Nehru Memorial College, Puthanampatti – 621007.

### **ORIENTATION PROGRAMMES**

- ❖ Took part in Orientation Programme conducted in St. Joseph’s College (Autonomous) at Tiruchirappalli, India from 10<sup>th</sup> to 12<sup>th</sup> June 2010.

### **LANGUAGES OF COMMUNICATION**

#### **Multi-Lingual**

Speak: English, Tamil, Urdu, and Hindi.

Read: English, Tamil and Arabic.

Write: English and Tamil.

### **PERSONAL PROFILE**

Born 25 March 1986; 28 years-Old; Female; Indian.

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