

CURRICULUM VITAE

SANTHOSH ARUL

EDUCATION

Janst 2015 - Present PhD Student-Cancer Biology, **Rajalakshmi Engineering College, Affiliated to Anna University, Chennai, India**

Septh 2009 - Aprth 2011 Master of Science (M.Sc.) - Advanced Biochemistry, **University of Madras, Chennai, India**

Junth 2006 - Aprth 2009 First Class, Bachelor of Science (B.Sc.) - Chemistry, Botany, Zoology-First Class **St. Joseph's College (Bangalore University), Bangalore, India**

COMPETITIVE EXAMS QUALIFIED

GATE 2016

All India Rank: 875 Percentile: 91.50

RESEARCH EXPERIENCE

March 2014-January 2016, Project Assistant

Rajalakshmi Engineering College, Department of Science and Technology-SERB funded project

November 2011-February 2014, Junior Research Fellow

VRR Institute of Biomedical Science, Affiliated to University of Madras, Chennai, India

PROFESSIONAL SOCIETIES

Society for Biotechnologists (India)

Asian Federation of Biotechnology (AFOB)

AWARDS

Mentored a Team to win Second Place in DBT-ABLE, BEST Program, A national level Innovative Challenge Program

PUBLICATIONS

1. Arul S, Dayalan H, Jegadeesan M & Damodharan P (2016) Induction of differentiation in psoriatic keratinocytes by propylthiouracil and fructose. *BBA Clin.* 6: 82–86
2. Arul S, Predheepan D & Dayalan H (2017) Larvicidal activity of *Agaricus bisporus* and *Agaricus campestris* against the *Aedes aegypti* larvae. *Int. J. Mater. Prod. Technol.* 55: 272
3. Jegannathan SD, Arul S & Dayalan H (2016) Zerumbone, a Sesquiterpene, Controls Proliferation and Induces Cell Cycle Arrest in Human Laryngeal Carcinoma Cell Line Hep-2. *Nutr. Cancer* 5581: 1–8
4. Purushoth E, Tholcopiyam L & Santhosh A (2016) Cancer Progression Related with Tumor-associated Macrophages. *Cancer Oncol. Res.* 4: 53–63
5. Sureshkumar S, Jothimani B, Sridhar TM, Santhosh A & Venkatachalapathy B (2017) Synthesis of Hexagonal ZnO-PQ7 Nano Disks Conjugated with Folic Acid to Image MCF – 7 Cancer Cells. *J. Fluoresc.* 27: 21–29

COURSES

January 2012 - June 2012, Course on Modern Instrumental Methods of Analysis

Indian Institute of Science, Centre for Continuing Education, Bangalore, India

45 days of course on, “Care, Breeding and Management of laboratory animals”
National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore, India
WORKSHOPS

October 31, 2015 – November 03, 2015, ABLE-BEST INDIA 2015

Department of Biotechnology, Govt. of India & Association of Biotechnology Led Enterprise-Team Lead (Selected as one of the top 20 teams from India)

October 15, 2015 - Workshop on Biotechnological Tools & Techniques in Aquaculture

Centre for Ocean Research, Sathyabama University

May 5, 2015- May 9, 2015- Workshop on Fluorescence & Confocal Microscopy

Vclinbio Labs Pvt. Ltd & Sri Venkateshwara College of Engineering

November 28, 2014- National level workshop on Chromatography

University of Madras

CONFERENCES

- 1) Haripriya Dayalan, **Santhosh Arul**, Rajeswari Sankaran “Studies on the effect of beta caryophyllene on the mitochondrial dysfunction and apoptosis in triple negative breast cancer cell line”, International Conference on Advances in BIOLOGICAL, CHEMICAL & PHYSICAL SCIENCES (ABCPS), March 2017, Anna University, BIT Campus, Tiruchirappalli.
- 2) **Santhosh Arul**, Dhakshanya P, Haripriya D, „Larvicidal activity of Agaricus bisporous and Agaricus campestris against the Aedes aegypti larvae“, Arunai Engineering College, Tiruvannamalai.
- 3) Tholcopiyan L, **Santhosh Arul**, “Association of endothelial nitric oxide synthase gene Glu298Asp polymorphism in type2 diabetic foot ulcer subjects among south Indian population.”, National seminar on recent trends in medical biotechnology, July 2012, Dr. M.G.R Education and Research Institute University, Chennai.

LABORATORY SKILLS

Animal Cell Culture, Electrophoresis, PCR, qRT-PCR, Western Blotting, ELISA, FACS, Fluorescence & Confocal microscopy

AREAS OF INTEREST

Cancer Biology, Proliferative Disease, Ageing, Signal Transduction

LANGUAGE

English, Tamil & Kannada

DECLARATION

I hereby declare that the information furnished by me is true to the best of my knowledge.

Place : Chennai

Santhosh Arul