

DR. C. ARUL RAJ., Ph.D | Head Biochemistry and Quality Manager

Chanamam Vilai, Kurumathoor, Kuzhithurai Post, Kanyakumari Dist, Tamilnadu, INDIA

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Highly motivated and strategic professional with more than seven years of experience in the field of clinical Biochemistry in one of the world's largest laboratory and in a multispecialty hospital. Having deep knowledge in the area of planning and execution of setting up laboratories, laboratory operations, quality assurance, formulation and implementation of SOPs, people management and handling the quality related queries of Clinicians and patients. Well acclaimed with the process of NABL and CAP accreditation. Well versed in quality management systems and Internal Audit as per ISO 15189:2012 of medical laboratories. Westgard QC certified for quality leadership master class.

Professional Experience

Head - Division of Biochemistry and Quality Manager

G. Kuppuswamy Naidu Memorial Hospital, Coimbatore - Since Feb 8, 2016

Managing the entire team of Biochemistry, Managing internal QC and taking CAPA for outlines, Monitoring TAT for all Biochemistry tests, Inventory control and vendor evaluation, Responsible for Induction and training of new employees, Creating SOPs and its implementation, Performance review of the employees and overall in-charge for the P&L of the division.

Officer - Lab Quality Assurance

CPL, Thyrocare Technologies Limited, Mumbai - Jan 27, 2014 to Jan 8, 2016.

Reporting Biochemistry, CLIA and ELISA reports, Daily monitoring of internal QC and taking CAPA for outlines, Involved in quality control and management, Incharge of Laboratory queries and complaints, Validation and implementation of newly introduced tests and NABL & CAP audits of the laboratory

Educational Qualifications

- Ph.D., Biochemistry (2014)** - Karpagam University, Coimbatore, Tamilnadu
- M.Sc., Biochemistry (2009)** - Bharathiar University, Coimbatore, Tamilnadu
- B.Sc., Biochemistry (2007)** - Manonmaniam Sundaranar University, Thiruvvelveli, Tamilnadu

Certificate Course in Blood Banking (2006)

Certificate Course in Medical Biochemistry (2007)

Certificate course in Hematology and Biomedical instrumentation (2007)

Expertise

- ❖ Leading a team
- ❖ Communication
- ❖ Financial management
- ❖ Innovation
- ❖ Occupational healthy and safety awareness
- ❖ Trouble shooting (CAPA)
- ❖ Reporting of Biochemistry, CLIA and ELISA reports
- ❖ Quality control and management
- ❖ Vendor evaluation and inventory control

Research publications (35 publications with overall impact factor of 26)

- ❖ C. Arul Raj, S. Umasankari, B. Rajalakshmy menon, M.A. Rathi, P. Meenakshi, D.Gurukumar, D.Sophia, P.Ragavendran and V.K. Gopalakrishnan. (2010) Ceibapentandra (L) leaves inhibits perchloroethylene-induced hepatic damage in rats.International journal of Biomedical Research & Analysis.1: 72- 75.
- ❖ C. Arul Raj, P. Ragavendran, D. Sophia, M. A. Rathi and V. K. Gopalakrishnan (2012). Evaluation of in vitro antioxidant and anticancer activity of Alpinia purpurata. Chinese Journal of Natural Medicine.10: 263-268. [Elsevier publications].
- ❖ C. Arul Raj, P. Ragavendran, D. Sophia, T. Starlin, M. A. Rathi and V. K.Gopalakrishnan. Evaluation of invitro enzymatic and non-enzymatic antioxidant properties of Alpinia purpurata (Vieill) K. Schum, Chinese journal of integrative medicine.[Springer link publications] Impact factor – 1.116.
- ❖ C. Arul Raj, D. Sophia, P. Ragavendran, T. Starlin, M. A. Rathi and V. K. Gopalakrishnan. Leaf of Alpinia purpurata (Vieill.) K. Schum screened for its phytochemical constituents, antibacterial and anticancer activity, Journal of Chinese integrative medicine. 10: 1460-1464. [Indexed in Pubmed] Impact factor – 1.217.
- ❖ C. Arul Raj, P. Ragavendran, D. Sophia, T. Starlin, M. A. Rathi and V. K. Gopalakrishnan. Functional groups prediction and elemental analysis of ethyl acetate leaf extract of Alpinia purpurata (Vieill.) K.Schum, Advances in Bioresearch. 3: 62-65. Impact factor – 0.36.
- ❖ C. Arul Raj, L. Vijayarani, P. Ragavendran, D. Sophia, T. Starlin, M. A. Rathi and V. K. Gopalakrishnan. Secondary metabolite credentials of Alpinia purpurata (Vieill) k. Schum by High Performance Thin layer Chromatography (HPTLC). Indo American Journal of Pharmaceutical Research. 3: 1769-1780. (Indexed in Elsevier and Pubmed) Impact factor- 0.85.

Papers Presented

- ❖ Arul Raj. C, Ragavendran. P, Sophia. D, Starlin. T, Chella perumal. P and Gopalakrishnan. V.K. (2012) Evaluation of *in vitro* Phytochemical screening, Cytotoxic and FTIR analysis of *Alpinia purpurata* (vieill) k. schum, 16th National convention of Society of Pharmacognosy and International Symposium on Herbal and Traditional Medicine, “Frontiers in Drug Discovery from Herbal and traditional medicine” held at Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat, India. March 9-11, 2012.
- ❖ C. Arul Raj and V.K. Gopalakrishnan. (2011) Evaluation of *in vitro* cytotoxic and antioxidant activity of *Alpinia purpurata*, 30th Annual convention of Indian Association for Cancer Research and International symposium on “signaling network cancer” held at Indian Institute of Chemical Biology (CSIR-IICB), Kolkata, India. February 6-9, 2011.
- ❖ C. Arul Raj and V.K. Gopalakrishnan. (2012) Anticancer activity of *Alpinia purpurata* (vieill.) k. schum against 4-vinylcyclohexane induced ovarian cancer in wistar albino rats 4rd Annual Research Congress (KUARC) held at Karpagam University, Coimbatore, India. November 29-30, 2012.
- ❖ C. Arul Raj and V.K. Gopalakrishnan. (2011) Evaluation of *invitro* enzymatic and non-enzymatic antioxidant properties of *Alpinia purpurata* (vieill) k. schum 3rd Annual Research Congress (KUARC) held at Karpagam University, Coimbatore, India. December 9-10, 2011.
- ❖ C. Arul Raj and V.K. Gopalakrishnan. (2010) Evaluation of *in vitro* cytotoxic and antioxidant activity of *Alpinia purpurata*. 2nd Annual Research Congress (KUARC) held at Karpagam University, Coimbatore, India. December 8-11, 2010.
- ❖ C. Arul Raj and V.K. Gopalakrishnan. (2009) Frequency of 32bp deletion in chemokine co-receptor (ccr5) in cardiac disease. 1st Annual Research Congress (KUARC) held at Karpagam University, Coimbatore, India. December 2009.
- ❖ C. Arul Raj and V.K. Gopalakrishnan. (2009) National Cancer Congress : Genetics, Diagnosis and Therapy Sponsored by ICMR, held at Dr NGP Arts and Science College, Coimbatore, India. August 20-21, 2009.

Personal Dossier

Date of Birth : 7th May 1986
Marital Status : Married
Language Known : Tamil, English, Malayalam



(Dr. C. Arul Raj)