

ASHWINI

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No. 443, 11th Cross, 8th Main
Sadashivnagar,
Bangalore – 560 080

QUALIFICATION PROFILE

Higher Secondary Course (2004 - 2006) – Tamil Nadu State Board
Aggregate 87%

Bachelor of Science (2006 - 2009) – Chemistry, Zoology, Microbiology
Mount Carmel College (Autonomous), Bangalore
Aggregate 80%

Master of Science (2009 - 2011) – Advanced Biochemistry
University of Madras
Aggregate 78% (First Rank)

SCHOLARSHIPS

Madras University **Merit Endowment Scholarship (2009- 2011)**

INSPIRE (DST) fellowship 2012-13

PROJECTS:

Association of Endothelial nitric oxide synthase (eNOS) gene polymorphism in diabetic foot ulcer among south Indian population.

Diabetic foot ulcer is one of the major complications of diabetes mellitus. Nitric oxide which is synthesized in endothelial cells by eNOS gene is a potent stimulator of cell proliferation, maturation and differentiation and also regulates angiogenesis. It has been suggested that polymorphisms in eNOS can affect the response of the vascular endothelium to increased oxidative stress. The objective of this study was to determine the association between eNOS polymorphisms and diabetes-related disease- Foot ulcer.

Techniques used: Western Blotting, Southern Blotting, ELISA, SDS PAGE, Agarose Gel Electrophoresis, Ion Exchange Chromatography.

Instruments used: PCR, UV Spectrophotometer, Gel Doc, Sonicator

CERTIFICATE COURSES

- ‘Modern Instrumental Methods of Analysis’ at Indian Institute of Science, Bangalore.
- Fundamentals of Recombinant DNA technology
- Antacids, Analgesic & Anti Inflammatory Drug Analysis
- Psychology – Counseling
- Measures to control Carbon Foot prints
- Study of Osteoporosis, a life style disease.

INTERNSHIPS

- **Department of Neurochemistry, NIMHANS, Bangalore**

Internship dealt with the Screening tests for inborn errors of metabolism, routine biochemical tests, Instrumentation: HPLC, Auto analyzer, Osmometer.

- **Central Animal Research Facility, NIMHANS, Bangalore**

Internship dealt with the care, breeding and handling of Laboratory Animals, setting up of an Animal House, selection of lab animals for research, their handling and breeding, anesthesia and blood collection methods, surgical techniques, record maintenance in an Animal House.

WORKSHOP

Attended workshop on ‘Advances in Computer Aided Drug Design’ held at Bioinformatics Infrastructure Facility, University of Madras, Chennai.

PERSONAL PROFILE:

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|-----------------|---|-------------------------|
| Name | : | Ashwini. R |
| Father’s Name | : | Rajasekaran. K |
| Mother’s Name | : | Lakshmi Rajasekaran |
| Nationality | : | Indian |
| Date of Birth | : | 04, May 1989 |
| Languages Known | : | English, Kannada, Tamil |