

RESUME

DR. SHIBIN N. B.

PERSONAL DETAILS

Address : Naduvilpurakkal House,
Manithara,
Avanur P.O.
Thrissur District,
Kerala, India
Pin: 680541

Mobile no: (+91) 9605844714
(+91) 9074888169
Email: shibinsivasakthi@gmail.com

Date of birth : 19/04/1985
Gender : Male
Nationality : India



OBJECTIVE

To be an active participant in a prestigious organisation where, I can obtain a meaningful and challenging position that enables to learn and allows for advancements.

PROFESSIONAL SUMMARY

Over 5 years of work experience in research and analysis. Two years, I worked as a project fellow in Mahatma Gandhi University (2010-2012). Currently, I am working as a Technical Assistant at IUIC, Kottayam, Kerala, India (2017 to current). In my current work, I am doing analysis of research samples using instruments FTIR, HPLC and TGA. I have hands on experience on several sophisticated instruments like UV/VIS spectrometer, fluorescent spectrometer, HPLC and LC-QToF-MS. I acquired Ph.D. (Chemistry) from Mahatma Gandhi University. During my research I attended and presented papers in several conferences both national and international. I published one paper in an international journal.

Hands on Experience in the following:

- i) Photolysis using UV/H₂O₂ and Gamma radiation.
- ii) Analysis of degradation products of polyaromatic hydrocarbons and halogen derivative of purine.
- iii) Transient analysis.

SKILLS SET:

Functional Skill:-

- Chromatography as well as spectroscopic analysis.
- Identify, collect, process, analyse and catalogue data and/or samples according to the established protocols, procedures and standards as appropriate to specific objectives of the research study.

- Plan and organise day-today research activities and resolve procedural problems as appropriated to the timely completion of the research objectives (chromatographic as well as spectroscopic).
- Set up, operate and maintain a variety of laboratory research equipment as specified by the requirement of the research study.
- Maintain a broad knowledge of state-of-the-art research technique, technology, equipment and systems.
- Steady state photolysis (UV/H₂O₂ and Gamma)
- Transient analysis.
- Excited state study

Instruments handled:

UV-Vis spectrometer, Fluorescence spectrometer, HPLC, LC-QToF-MS, Linear accelerator, ATR-FTIR and TGA.

ACADEMIA:

- **PhD** (Chemistry) from Mahatma Gandhi University, Kottayam, Kerala in the year 2018
- **MSc** (Chemistry) from Bharathidasan Univesity, Thiruchirapally, Tamil Nadu in the year 2009
- **BSc** (Chemistry) from University of Calicut, Calicut, Kerala in the year 2006
- **VHSE** from Kerala state higher secondary education board, Kerala in the year 2002
- **SSLC** from Kerala state secondary education board, Kerala in the year 2000.

Academic project (MSc): A Study on the Chemical Composition and antimicrobial activity of Pimenta officianalis leaf oil.

Organisation: Quality Assurance centre Kollam

Duration: 1 Month

Team size:1

Description: Oil extracted from Pimenta officianalis leaves by using soxhlet apparatus and its chemical contents are analysed by using Gas chromatographic technique. Antibacterial activity of Pimenta officianalis leaf oil also studied.

CONFERENCES ATTENDED AND PRESENTED:

- International Conference on Mass spectrometry (ICMS 2018), MG University, Kottayam, **2017**.
- International Conference on Advanced oxidation processes (ICAOP 2017), MG University, Kottayam, **2017**.
- International Conference on Photochemistry and Its Applications (ICPA 2017), MG University, Kottayam, **2017**.

- International Conference on Mass spectrometry (ICMS 2016), MG University, Kottayam, **2017**.
- Internatoinal Conference on water From pollution to purification (ICW 2015), MG University, Kottayam, **2015**.
- Internatoinal Conference on Advanced oxidation Process (ICAOP 2014), Munnar, Idukki, Kerala, **2014**.
- Trombay Symposium on Radiation and Photochemistry (TSRP 2014), Bhabha Atomic Research Centre, Mumbai, January 6-9, **2014**.
- National Symposium on Radiation and Photochemistry (NSRP 2013), North Eastern Hill University, Shillong, March 20-22, **2013**.
- National Seminar on Uptrends in Chemical Sciences and Technology (UPCHEM 2012), NSS Hindu college, Changanssery, Kottayam, March 15-16, **2012**.
- Trombay Symposium on Radiation and Photochemistry (TSRP 2012), Bhabha Atomic Research Centre, Mumbai, January 4-7, **2012**.

PUBLICATION:

- N. B. Shibin, R. Sreekanth, U. K. Aravind, K. M. Afsal Mohammed, N. V. Chandrashekhar, J. Joseph, S. K. Sarkar, D. B. Naik and C. T. Aravindakumar. Radical chemistry of glucosamine naphthalene acetic acid and naphthalene acetic acid: a pulse radiolysis study. *J. Phys. Org. Chem.*, 2014, 27 (6), 478-483.

COMPUTER SKILLS:

Ms word, Ms Excel, Origin, Chems sketch, Chemdraw etc.

LANGUAGE SKILLS:

Malayalam, English, Hindi and Tamil.

DECLARATION:

I, Dr. Shibin N. B., hereby declare that the information given above is true to the best of my knowledge and belief.

Dr. Shibin N. B.