



AKHIL N V

Nationality: Indian **Date of birth:** 16 Jan 1994 **Gender:** Male

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Home: NAMBAZHA HOUSE, P.O POOPPATHY, THRISSUR DISTRICT, KERALA, INDIA, 680733 Mala (India)

EDUCATION AND TRAINING

M.Phil. CHEMISTRY

Department of Applied Chemistry, Cochin University of Science and Technology, Kerala [31 Jul 2018 – 29 Jul 2019]

Address: Department of Applied Chemistry, Cochin University of Science and Technology, 682022 kochi (India)

Website: www.cusat.ac.in/dac

Field(s) of study: Catalysis

Final grade: 73.5 Percent, First class

Thesis: Photocatalytic and Dielectric studies of Dysprosium Orthoferrite

- Nanostructured Perovskite oxides were synthesized by different methods such as Hydrothermal, Sol gel and Microemulsion route
- Influence of synthetic strategies on the photocatalytic activity was analyzed.
- Enhancement in photocatalytic activity via doping and composite formation were studied
- Structural Characterization and morphological studies of the perovskite nanoparticles were also performed.

M.Sc CHEMISTRY

Maharajas College, Ernakulam [9 Jun 2016 – 14 Apr 2018]

Address: Park Avenue Rd, Opp. Subhash Bose Park, Marine Drive, Ernakulam, Kerala, 682011 Ernakulam (India)

Website: <https://maharajas.ac.in/>

Final grade: 72.6 Percent, First class

Thesis: Characterization of soil organic matter in the agricultural and industrial zones at palakkad, India

B.Sc CHEMISTRY

S.N.M College, Maliankara [4 Jun 2013 – 14 Aug 2016]

Address: S.N.M College, Maliankara P.O, Moothakunnam, Kerala, 683516 North Paravur (India)

Website: www.snmcollege.in

Final grade: 74.5 Percent, First class

ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION

Vijayagiri Public School, Kerala [7 Jun 2010 – 2 Aug 2012]

Address: Vijayagiri Public School, Annalur, Ashtamichira (VIA), 680731 THRISSUR (India)

Final grade: 68 Percent, First class

SECONDARY SCHOOL EXAMINATION

Mannam Memorial NSS English Medium School, Puthenvelikara, Kerala [5 Jun 2009 – 27 May 2010]

Address: Mannam Memorial NSS English Medium School, Puthenvelikara, Ernakulam District, 683594 Puthenvelikara (India)

Final grade: 88 Percent, Distinction

BACHELOR OF EDUCATION (B.Ed)

Adi Sankara Training college, Kalady, Kerala [13 Aug 2021 – Current]

Address: Post Box No.1 Shankar Nagar, Mattoor, Kalady, 683574 Ernakulam (India)

LANGUAGE SKILLS

Mother tongue(s): **Malayalam**

Other language(s):

english

Hindi

LISTENING C2 READING C2 WRITING C2

LISTENING C1 READING B2 WRITING A2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1 SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

DIGITAL SKILLS

Microsoft Powerpoint / Microsoft Word / Microsoft Excel / Team-work oriented / Good listener and communicator / Organizational and planning skills / Written and Verbal skills / Motivated / Power Point / Decision-making

SKILLS AND PROFICIENCIES

Experimental

- Expertise in synthesis and characterization by FT-IR Spectrometer (JASCO), UV- VIS Spectrophotometer (Thermo Scientific Evolution 201), Solar Simulator, Powder X-Ray diffraction technique, EDAX, Ultra-sonicator, Cooling centrifuge, Conductometer
- Others: Dielectric study using home made dielectric cell and impedance analyzer, Textural analysis of soil
- Softwares: Origin Pro, ChemDraw, Microsoft Office, Mendeley, QualX (Software to identify crystal phase(s) by powder diffraction data)

CONFERENCES AND SEMINARS

2019-2023

- Participated, volunteered and presented a poster entitled **Impact of preparation strategy on the physico-chemical properties of perovskite nanocrystals** at International Conference on Materials for the Millennium, MATCON 2019 held at Cochin University of Science and Technology, Kochi
- Presented a poster entitled **Perovskite nanocrystals for photocatalytic applications** at International Conference on Sustainable Innovations in Green Chemistry and New Technological Developments, ICSIG-2018 held at Maharajas's college, Ernakulam
- Has attended the Science Academies' lecture workshop on **Molecular Machines** held at post graduate and research department of chemistry, Maharajas college, Ernakulam
- Has volunteered in the 25th Swadeshi science congress organized jointly Swadeshi science movement, Kerala and Sree Sankaracharya university of sanskrit, Kalady
- Has participated UGC sponsored national seminar on **Green chemistry for environmental sustainability** at Bharata Matha college, Thrikkakara
- Conducted a seminar on **Methodologies of scientific research** as part of M.Phil course work
- College Magazine Editor of magazine titled 'THEEPATHI' in the academic year 2023

VOLUNTEERING

2016-2021

- Active participant of Blood donation campaigns organized by student groups at maharajas college
- Secured 2nd prize for english extempore competition held at SNM College, Maliankara
- Volunteered for providing school books and uniforms for under-privileged children by students youth club

RECOMMENDATIONS

Supervising guide

Name: Dr. Suja Haridas

Phone number: (+91) 9847436638

Email: Sujaharidas123@gmail.com

Assistant Professor, Department of Applied Chemistry, Cochin University of Science and Technology, Kerala

Professor

Name: Dr. Sobhi Daniel

Phone number: (+91) 9495458856

Email: Sobhi.daniel@gmail.com

Assistant Professor

Post Graduate and Research Department of Chemistry

Maharajas College, Kerala