

ANUGRAHA A

• Junior Research Fellow •

PROFILE

To enrich knowledge in the field of applied science, exploring field of usage where society in total is benefited. Science communication is my field of passion where I think I can contribute well through continuous and dedicated searching aptitude and skills.

PERSONAL INFORMATION

Name	Anugraha A
Birth date	30 May 1995
Gender	Female
Marital status	Single
Residence	Cochin, Kerala
Nationality	Indian

EDUCATION

2018 Integrated MSc. Physics

Amrita Vishwa Vidyapeetham University, Coimbatore | 2013 - 2018

CGPA - : 7.93

(Electives in Astrophysics, Laser Application and Manufacturing, Nanotechnology and applications, Thin film physics, Plasma physics.)

2013 Higher Secondary Education

Sivagiri Vidyanikethan, Cochin | 2010 - 2013

Passed with distinction (82 %)

2010 Secondary Education

Christava Mahilalayam Public School, Cochin | 2009 - 2010

Passed with distinction (96 %)

SOFTWARE SKILLS

Audacity	<div></div>	Adobe Premiere Pro	<div></div>
Adobe Photoshop	<div></div>	Blender	<div></div>
Inkscape	<div></div>	Adobe Illustrator	<div></div>

EXPERIENCE

Tata Institute of Fundamental Research

Junior Research Fellow | 2018 - Present

Hyderabad

Development of functional coatings for energy and environmental-related applications.

Tata Institute of Fundamental Research

Project Intern | Jan 2018 - May 2018

Hyderabad

Industrial project on waste water treatment

COURSES

FUNDAMENTALS OF GRAPHIC DESIGN

Coursera, California Institute of the Arts | June 2020 - July 2020

Course covered fundamental principles of graphic design: image making, typography, composition, colors and shades etc., through visual examples.

COMPLETE BLENDER CREATOR: LEARN 3DMODELLING FOR BEGINNERS

Udemy, (Online) | July 2020 - Present

For creating 3Dmodels and assets for games using blender.

ILLUSTRATIONS

- Prepared **TOC** for, Munaiah Yeddala, Pallavi Takur, Anugraha A and Tharangattu N.Narayanan 2020 Electrochemically derived functionalized Graphene for bulk production of Hydrogen Peroxide., Beilstein Journal of Nanotechnology, 11, 432 -442.
- Designed **cover page for the official website** of Dr T N Narayanan's lab.
- Designed **cover page for official website** of an upcoming journal on Quantum materials in catalysis.
- Prepared a **still image to participate in Insa-Serb science image and film competition**.
- Designed **cover page for an official website** of a Ph.D. student from Queen's Mary University, London.
- Designed several **graphical abstracts for upcoming papers** which are under review.
- Designed **back cover for Advanced Quantum Technologies (QUTE)** September issue.

ACHIEVEMENTS

- **Poster presentation**; Synthesis and characterization of copper substituted Cobalt Ferrite nanoparticles by sol-gel auto combustion route at IConAMMA 2018 International Conference at Amrita ViswaVidyapeetham, Mysore.
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- During the ninth semester **presented a paper** on “Concentration of Citric acid in the synthesis and characterization of cobalt ferrite nanoparticles prepared by Sol-Gel technique.” at ‘ICONN-2017’, International Conference on Nanoscience and Nanotechnology at SRM University, Chennai.
- During eighth semester **presented a paper** on “Study of properties of cobalt ferrite nanoparticles with varying concentration of citric acid for suitable applications.” at ‘ICETN-2016’, International conference on Nano-sciences at VELs college, Chennai.
- During the fourth semester **presented a paper** on “Structural and compositional analysis of Cobalt ferrite nanoparticles of suitable dimensions prepared by Sol-Gel technique.” at ‘NANO-2015’, International conference on Nano technology conducted at KSR College, Coimbatore.
- **Won many prizes** for dance performances, mono act and painting competitions during graduation period. Performed at college art and fests and annual technical fest, every year, and won accolades. Participated for youth festivals.

WORKSHOPS AND CONFERENCES

- **Attended workshop on “Vedic Mathematics”**
During second semester, at Amrita School of Engineering, Coimbatore.
- **Workshop on “Product development strategies using rapid prototyping, rapid cooling and reverse engineering”**
During fifth semester, attended at PSG Tech, Coimbatore.
- **‘SCICON 2016’ International conference on Nano technology**
Attended during the seventh semester conducted by Amrita School of Engineering, Coimbatore.
- **Seminar on Advanced Materials**
Attended National Seminar at St. Paul’s College, Cochin.
- **Workshop on ‘ Filmmaking as a tool for science communication’**
Attended during september 2020, conducted by IISER, Pune

PUBLICATIONS

- **Electrochemically derived functionalized graphene for bulk production of Hydrogen Peroxide.**
Munaiah Yeddala, Pallavi Takur, Anugraha A and Tharangattu N. Narayanan - 2020
Beilstein Journal of Nanotechnology, 11, 432 – 442.
 - **Synthesis and characterization of Copper substituted Cobalt Ferrite nanoparticles by sol-gel auto combustion route.**
A Anugraha, V K Lakshmi, Gangothri S Kumar, T Raguram and K S Rajni - 2019
IOP Conference Series: Material Science and Engineering, Volume 577..
 - **Structure and magnetic studies of Zinc substituted Cobalt Ferrite nanoparticles prepared by sol-gel technique.**
V K Lakshmi, Gangothri S Kumar, A Anugraha, T Raguram and K S Rajni - 2019
IOP Conference Series: Material Science and Engineering, Volume 577.
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VOLUNTEER WORKS

- **Outreach Program**

TIFR H - 2019

For teaching purpose at Telangana social welfare school.

- **Volunteered for SCICON'16**

Amrita Viswa Vidyapeetham - 2016

International Conferences on Advanced Materials.

REFEREES

Dr. K S Rajni

Associate Professor

Amrita School of Engineering,

Coimbatore

+91 9894767877

ks_rajni@cb.amrita.edu

Dr. T N Narayanan

Associate Professor

TCIS, Hyderabad

+91 9000871889

tnn@tifrh.res.in
