

ARUNIMA MURALI

10-C New DDA Flats

Mayur Vihar Phase 1

East Delhi 110091, India

Tel: 00 91 7838679747

Email: arunimamurali17jan@gmail.com

Date of Birth: 16 January 1998

Nationality: Indian

Marital Status: Single




IN/PA – 4945 [Registered Indian Patent Agent]

Research interests : **Biotechnology, Immunology, Toxicology, Environmental**

Publication:

Ritika A, Ritika G, Nikita J, Bableen K, Arunima M, Minakshi B, et al. In silico prediction, characterization and molecular docking studies on Glutathione-s-transferase as a molecular sieve for toxic agrochemicals explored in survey of North Indian farmers. Heliyon [Internet]. 2021;7(August):e07875. Available from: <https://doi.org/10.1016/j.heliyon.2021.e07875>

Professional Experience:

- | | |
|---|-------------------------|
|  Patent Agent
Sr4Ipr Partners Law Firm, Vaishali | Sept 12, 2022 – Present |
| <ul style="list-style-type: none">• Assisted in drafting complete specification and filing, reply to FER, written submissions, patent searches in prior art search and patentability searches, POA, forms, petition u/ R 137. | |
|  Trainee
ICMR- National Institute of Malaria Research, Dwarka, New Delhi | Oct 25,2021-Jan25,2022 |
| <ul style="list-style-type: none">• National Family Health Survey-5 estimating the prevalence of malaria diagnosis in different parts of India.• Dried Blood spots punching-> DNA isolation of parasite ->conventional PCR -> gel electrophoresis | |
|  Trainee
CSIR-summer research training program (CSIR-SRTP) online , CSIR-NEIST, Jorhat | June 22-Aug24 2020 |
| <ul style="list-style-type: none">• Eminent scientist lectures, special sessions• Project: Trapping tidal spray constituents by using blended masks in agricultural practices.• Elocution video, poster designing, essay writing, assignments. | |

- ✚ Trainee June 22-Aug 24 2020
 CSIR-SRTP online, CSIR-NEIST, Jorhat

 - Eminent scientist lectures, special sessions
 - Project: Computer-aided Drug Design applying bioinformatic and chemoinformatic approach using open source drug discovery tools.
 - Drug discovery Hackathon (DDH) lectures and practical sessions
 - Elocution video, poster designing, essay writing, assignments.

- ✚ Intern 17-31 Dec 2018
Science Setu, National Institute of Immunology (NII), Delhi

 - Project: Intellectual property Rights (IPR)

- ✚ Intern 18-31 Dec 2018
ISC student Mentorship Program 2018, AIIMS, Delhi

 - Basic principles of cancer
 - Practice of cancer control and prevention
 - Survey done on myths, knowledge and beliefs of people on cancer in Delhi

- ✚ Attended International Webinar on **Metagenomics** 8 Aug 2020
 SIAS, University of Calicut, Kerala.

 - Approach to microbe interaction and future perspective.

- ✚ Attended International webinar on **Epidemiological & Immunological** aspect
 St. Thomas college, Bhilai. 31 July 20

 - Covid19 metabolic, advance approaches on solutions and treatments done

- ✚ Participant on **Advances in Biological science** online 7-8 Aug 2020

 - Strategies used to developing crops and research going for different disease.

- ✚ Attendee on **Chemistry & Biology of Natural Products** online 24-25 Jul 20
 WCBNP-2020, CSIR-NEIST, Jorhat

- ✚ Participant on **Basic Bioinformatics** online 22 Jul 2020
 Young Biologist platform

- ✚ Attended workshop on **Artificial Intelligence** in Drug Discovery online Sept 01, 2020
 CSIR-NEIST, Jorhat, Assam

- ✚ Participant in INDO-US workshop on **Recent Advance in Metabolic engineering**
online
 IIT Kharagpur 5 Oct, 2020

- ✚ Participant in **Assocham Illness to wellness program** online

Educational Qualifications:

- **M.Sc. Biotechnology** [80.79%] first class Sept 2021
ST. Thomas, College, Bhilai, India
- **B.Sc. Life science** [73.12%] first class March 2019
Delhi University, India
- **All India Senior Secondary Examination (CBSE) – Science**
[Physics, Chemistry, Biology, Mathematics, English] –[85.2%]
Kerala School, Canning Rd, Delhi March 2016

Professional Development courses:

- ✚ **Attended Patent Act 1970, patent drafting training**
11Jan - 30Apr 2022
Institute of Patent attorneys India, Dwarka
Under **Dr R. K. Nair and Maya Nair**, learned Patent act 1970 and patent rules 2003 and specification drafting
- ✚ **Effective communication skills and steps of Entrepreneurship** 3-day workshop
6-8 Feb 2020
St Thomas college, Bhilai
- ✚ Volunteered on **Environmental Sustainability and higher education**
4-11 June 2018
Faculty development Dyal Singh college, DU, Delhi
- ✚ Language course in **German (A1 & A2 level)**
Jul 2017-April 2018
Delhi University
- ✚ Attended **Evolution Intermediate1 (B1-1)** in English
17May-1June 2014
British Council, Delhi

Additional skills:

- IT: inPASS, google patents, Patent Scope searching, google scholar, IPO, WIPO, basic in bioinformatics: NCBI, DDBJ,EMBL,RCMB-PDB, PubMed, nucleotide and protein sequencing, BLAST, Multiple Sequencing alignment (clustal omega), descriptor calculations, construct evolutionary trees, docking ; Mendeley Referencing.
- Language: English, Hindi, Malayalam, Deutsch(little)

- Other Interests: Reading novels, Drawing, designing, Singing

Referees:

- Dr. RK Nair, Patent Attorney (Director of Institute of Patent Attorneys, Delhi); email: drknair1@gmail.com
- Dr. Abhinav Sinha, MD, PhD (Scientist E ICMR -National Institute Of Malaria Research),Delhi; mail: abhinavsinha@icmr.gov.in
- Dr. P. Chitrlekha (Associate professor in botany), Dyal Singh College, Delhi University, Delhi, India; Tel: +91 9910687801; mail: pchitrlekha22@gmail.com .