



Akhil S Pillai

Birth Date: 23rd April 1987

Single, 25 yrs

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Objective

To metamorphose my skills in real world applications and to make a mark for myself in the arena of **Industrial Biotechnology**, therefore seeking a position in your organization, where I can get full utilization of my abilities and skills.

Areas of Interest

- Downstream Processing
- Bioprocess Technology
- Bioremediation
- Biochemistry

Experience

Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology Delhi: Current Employer

- Sr. Project Assistant in “Ultrafiltration Membrane for Arsenic, Chromium and Nitrate Rejection and remediation of arsenic using sulphate reducing bacterial(SRB) consortia” under the supervision of Prof. Gopal P. Agarwal; this project is funded by Ministry of Drinking Water and Sanitation.(**August 2011 onwards**)
 - Carried out Membrane characterization experiments.
 - Studied the effect of change of various operating parameters (TMP, pH, Temperature, Cross flow velocity etc.) on the Rejection of Chromium by various Nano-filtration and Ultrafiltration membranes.

Projects and Workshops

- Master’s thesis Project on “**Study On Chromium Removal Using Membranes From A Simulated Mixture Of Tannery Waste**” Under Professor Gopal P. Agarwal, Department of Biochemical Engineering & Biotechnology, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi – 110016
- Project on “**Optimization of Aqueous Two Phase Extraction of Papain from Papaya Using Ligands in the PEG Layer**” under Mr. Senthil Kumar , Assistant Professor, School of Chemical and Biotechnology, SASTRA University, Thirumalaisamudram, Tamil Nadu- 613402.
- Project on “**Effect Of Alkaloids Extracted From The Roots Of Desmodium Gangeticum In Insulin**” under Professor Gino A. Kurian , School of Chemical and Biotechnology, SASTRA University, Thirumalaisamudram, Tamil Nadu- 613402

- Industrial Training on “Manufacturing of anti-cancer drugs. (Apotex Pharmachem India Limited, Bangalore)
- Attended the National level workshop on Forensic Sciences conducted by National Toxicology Department.
- Attended Workshop cum training on “Career and business prospects in food processing” organized by NIFTEM, IICPT and Cauvery college for women held in Tiruchirappalli, India.

[Hands on Experience on Spectroscopy (UV-Visible and AAS), Electrophoresis (SDS-PAGE, PAGE), Dead End (Stirred cell) Module and Cross Flow module for Membrane separation Process]

Academic Qualification

- Masters in Industrial biotechnology (Integrated) from SASTRA University, Tamil Nadu, India – CGPA - 8.28/10 (2006-2011)
- AISSE (XII-CBSE) from DAV, New Delhi, India - 79.8% (2004-2005)
- AISSE (X-CBSE) from DAV, New Delhi, India – 83 % (2002-2003)

Computer Skills

- Proficient in MS Office (Word, PowerPoint, Excel, Outlook), Internet Search.
- Environment –Windows: 98, XP, VISTA, WINDOWS 7

Activities and Achievements

- Secured All India Rank 221(98.65 percentile) in Graduate Aptitude Test in Engineering, 2011
- CERTIFICATE AND PRIZES
 - Certificate on Technical communication.
 - II prize Quiz event **Brain Bogglers** held in Technovista
 - III prize Idea presentation event **Transmute** in Daksh 2010.
 - Certificate of appreciation in event Protein **Tetrix** in Daksh 2010.
- ORGANIZED EVENTS
 - **Alchemy** in Daksh 2009.
 - **Veni Vidi Vici** in Daksh 2010
 - Member PR Team in **Carpedium** and **Kuruksastra**.
- SPORTS
 - Won **Fuera** team event **Frisbee**.

Languages Known

Excellent knowledge in Spoken and Written **English** (Medium of Education for 20 years), Hindi, Malayalam and Tamil