



Ankit Kumar Agarwal

Chemical Engineer

Expand management responsibilities, perk up organizational ability to go beyond corporate goals, and assist honor all long-standing commitments made to customers, stockholders, workers and the communities in which we live.



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Om Sri Sat Guru Medical Store, Naya Bazar, Jugsalai, Jamshedpur, Jharkhand-831006, India

SKILLS

Creativity and Problem Solving

Perseverance

Self Confidence

Emotional Stability

Team building

LANGUAGES

English



Hindi



INTERESTS

Research

Innovation

Reading

Travelling

Volunteering

EDUCATION

B.Tech in Chemical Engineering

Siddaganga Institute Of Technology (An Autonomous Institute, Affiliated to VTU Belagavi, Approved by AICTE, Programmes accredited by NBA) Tumakuru-572103, Karnataka.

08/2014 – 08/2019

7.0

Higher Secondary Education

Narbheram Hansaraj English School (The Institute is Affiliated to Council For Indian School Certificate)

03/2013 – 03/2014

8.0

PROJECTS

Bioethanol Production From Food Waste. (08/2017 – 05/2018)

- Food waste is a complex biomass containing various components such as starchy, fatty and cellulosic materials. These materials are difficult to be utilized by ethanol producing microorganisms such as *Sacchomyces cerevisiae*. A pretreatment is required to hydrolyze the food waste and produce fermentable sugars. Ethanol production from food wastes does not only solve environmental issues but also provides renewable biofuels.

Adsorption studies on removal of hexavalent chromium heavy metal using animal bone charcoal as an adsorbent. (08/2016 – 05/2017)

- The adsorption of hexavalent chromium Cr(VI) onto bone char was optimized as a function of pH, initial Cr(VI) concentrations and bone char dosage using aqueous solution in batch tests. The results from this study could be useful in designing a filtration unit with bone char as the adsorbent in a full scale water and waste water treatment plant for the removal of Cr(VI) from contaminated water.

WORK EXPERIENCE

Industrial Training

Promis Industries (A house of Resins and Urathanes), Adityapur Industrial area, Jamshedpur-832109.

06/2016 – 07/2016

To design polymers to suit the specific needs of clients and fine tune the formulations to address specific needs of an individual client.

Achievements/Tasks

- Research and Development Internship on Manufacturing, properties and uses of various kinds of phenolic resins.

CERTIFICATES

Certificate Name

Certification for volunteering in SRJANA 2018 (Summer Research Internship in Chemical Engineering, Nanotechnology and Biotechnology for first PUC students) held from 23 February to 04 March 2018 and technical demonstration of research projects.

Certificate Name

Received Certificate of Award from Chemical Engineering Association (CHEA) for having maximum attendance for the academic year 2015-16.