

ROBIN MATHEW JOY

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CAREER OBJECTIVE:

To work in a pragmatic way in an organization where I can show my talent and enhance my skills and to seek challenging assignments with an opportunity for growth and self development to help me achieve personal as well as organizational goals.

ACADEMIC PROFILE:

EDUCATIONAL QUALIFICATIONS	NAME OF THE INSTITUTION	YEAR OF PASSING	MARKS OBTAINED
P.G DIPLOMA IN PROCESS ENGINEERING	SUVIDYA INSTITUTE OF TECHNOLOGY	2018	PURSUING
B.E CHEMICAL ENGINEERING (V.T.U)	M.V.J COLLEGE OF ENGINEERING	2018	73.64% (1st to 8th semester Aggregate)
12TH STANDARD (P.C.M.B)	ST JOSEPH PRE-UNIVERSITY COLLEGE	2014	75.83%
10TH STANDARD (S.S.L.C)	ST CLARET HIGH SCHOOL	2012	92.64%

ACADEMIC INITIATIVE:

Final year Project on "**DEMULSIFICATION OF CRUDE OIL EMULSION USING PLANT EXTRACTS AS GREEN DEMULSIFIERS**"

Description: Development of green chemistry in oil and gas production industry has taken a Considerable turn in reducing and eliminating the use and generation of Substances hazardous to humans, animals, plants and environment. In this project, the investigation on the use of plant extracts for demulsification of crude oil emulsion were studied. The following plant extracts like Coconut oil, Olive oil, Bio-furfural from corn cobs, Papaya seed extract, Lemon seed extract, Pine oil extract and Cotton seed oil, along with suitable modifiers were used. Different concentration of extracts were tested to find optimum dosage of demulsifier. Toxicity tests were conducted to study the impact of the blend demulsifier on water bodies and aquatic life.

TECHNICAL SKILLS:

- Development of PFD and P & ID.
- Line Sizing, Pressure drop calculations and Pump calculations.
- Design of Heat Exchanger, Distillation column, Absorption column, Chimney & Flare design, Reactor sizing, Separators design, Vacuum system calculation.
- Selection of TEMA type Heat Exchangers.
- Selection of valves & pumps.
- Material and Energy balance.
- Codes and standards.
- Procedure of HAZOP study.

IT PROFICIENCY:

- Programming Language: C and C++, Microsoft Office (PowerPoint, Excel, Word etc),
- Drafting and Assembly Drawing in Solid Edge Software,
- HYSYS(Basics) and DWSIM

CERTIFICATIONS:

- Certificate of participation in the two day workshop on "**SKILL DEVELOPMENT IN ENGINEERING SECTOR**" organized by Industry institute partnership cell, MVJCE.
- Certificate of participation in the value added course on "**INDUSTRIAL PROCESS CONTROL AND OPTIMIZATION**" conducted by **INSTITUTE OF PROCESS CONTROL ENGINEERS (IPCE)**
- Certificate for completion of **DWSIM** software training organized by **IIT Bombay**.

IN-PLANT TRAININGS:

Successfully completed In-Plant training/Plant visit at

- **UNITED BREWERIES LIMITED**, Nelamangala for a period of 15 days from 11th July 2016 to 27th July 2016.
- **BHARAT PETROLEUM CORPORATION LIMITED (BPCL) KOCHI REFINERY** from 15th January 2018 to 29th January 2018.
- **PLANT PROCESS AND OPERATIONS WITH PLANT VISIT** at **RASHTRIYA CHEMICALS AND FERTILIZERS LIMITED (RCF)** on 19th October 2018.

ACHIEVEMENTS:

- Presented a paper on "Demulsification of crude-oil emulsion using plant extracts as green demulsifiers" at the NATIONAL CONFERENCE ON "RECENT ADVANCES IN CHEMICAL ENGINEERING (RACE)-2018.
- Published a paper on "Demulsification of crude-oil emulsion using plant extracts as green demulsifiers" in *ASIAN JOURNAL OF APPLIED SCIENCE AND TECHNOLOGY (AJAST) Volume 2, Issue 2, pages 999-1004, April-June 2018.*
- Selected in "PROJECT EXHIBITION CUM COMPETITION 2018" organized and funded by Visvesvaraya Technological University (V.T.U) to present final year Project.

PERSONAL PROFILE:

1. Name: Robin Mathew Joy

2. Gender: Male

3. Date of birth: 16/07/1996

4. Nationality: Indian

5. Hobbies: Playing Badminton, swimming, yoga and meditation, reading Japanese manga and numerous science fictions, watching different science shows, History channel, cooking, martial arts etc.

6. Strengths: Team player, flexibility and adaptability, responsibility, calm under pressure, analytical skill.

7. Languages known: English, Kannada, Malayalam

8. Contact details: 8147204858

9. Email address: *robinmjoy@gmail.com*

10. Passport: Yes

DECLARATION

I hereby declare that all the information provided above is correct and true to the best of my knowledge and belief.

Place : Bangalore

Date :

Robin Mathew Joy