

# Albert Joseph Sebastian

0435676514 | [albertjoseph0@gmail.com](mailto:albertjoseph0@gmail.com) | [www.linkedin.com/in/albert-joseph-sebastian](http://www.linkedin.com/in/albert-joseph-sebastian) | Kensington NSW

## CAREER PROFILE

---

- Graduate Chemical Engineer with professional experience in process control and six sigma methodology at Phillips Carbon Black Limited, India
- Trained in Quality Assurance and Quality Control skills and theories with practical applications from industrial experience
- Excellent Technical and Statistical Analysis skills showcased by successful completion of thesis projects in a non-laboratory-based environment
- Competent knowledge in relevant industrial software such as MATLAB from certified online courses
- Safety professional with NEBOSH International General Certificate qualification
- Adaptable in a multicultural environment and able to efficiently communicate with team members to achieve time bound goals proven by successful completion of various group tasks and academic projects
- Continuous Learner currently preparing for IASSC six sigma green belt certification

## EDUCATION

---

**Master of Engineering Science** Feb 2019 – Dec 2020  
Chemical Process Engineering  
UNSW Sydney

- Distinction average

**Bachelor of Technology** Aug 2013 – Apr 2017  
Chemical Engineering  
National Institute of Technology, Calicut, India

- CGPA 6.9/10

## RELEVANT EXPERIENCE

---

**Process Engineer** Aug 2017 - Jul 2018  
Phillips Carbon Black Limited, Durgapur, India

- Executed the role of a DCS operator to maintain the quality and production rate of carbon black
- Ensured safe and stable operation of plant with strict adherence to SOP
- Assisted in daily plant operations by monitoring and controlling process variables to maintain quality
- Supervised maintenance of equipment and guidance of safety norms during partial/complete shutdown
- Responsible for logging in shift-wise production data into SAP and creating maintenance notifications
- Efficiently communicated with QC department throughout shifts to maintain six-sigma level of quality
- Executed the role of a field operator and effectively communicate throughout shift with team members ensuring smooth plant operations

## RELEVANT PROJECTS

---

**Non-Thermal Pasteurisation of orange juice using Radio Frequency waves** Feb 2020- Nov 2020

- Studied the inactivation of pathogenic micro-organisms in liquids using 20KHz Radio waves
- Investigated the non-thermal destruction of E.coli in orange juice to electric fields in radio waves
- Observed effects of temperature of liquid and inactivation in orange juice

- Analysed the energy efficiency and benefits of Radio Frequency treatment over thermal Pasteurisation

## ADDITIONAL EXPERIENCE

---

### Cook

Stable Talk Café, Kensington, NSW

- Undertook responsibilities involving opening and setting up Kitchen for daily breakfast service
- Multi-tasking at various stations enabling quick service without sacrificing quality
- Effectively worked with the team rising above the role of cook to ensure customer happiness
- Implemented 5S strategies in storage areas and coordinated in stockkeeping

## VOLUNTEERING ACTIVITIES

---

### Science and Mathematics Tutor

Shack Tutoring, UNSW

- Volunteered in weekly Tutoring of High School Students from surrounding schools in Science and Mathematics
- Mentored students on their personal development and cultivated interest in learning
- Was able to effectively cut across cultural barriers and explain concepts to students inculcating a thirst for knowledge

### Kitchen Hand

Our Big Kitchen, Bondi

- Assisted in Meal Preparation and stock keeping

## TECHNICAL SKILLS

---

- MATLAB – Proficiency in process control analysis
- Six sigma green belt – Undergoing preparation for IASSC certification
- NEBOSH-IGC Level 5
- Python, Java, C++ - Intermediate level
- Microsoft Office- Proficient

## INTERESTS

---

- French language – Intermediate level

## REFEREES

---

Dr. Francisco Trujillo  
Senior Lecturer,  
School of Chemical Engineering,  
University of New South Wales

Gary Macris  
Proprietor,  
Stable Talk Café ,  
Kensington

Contact details available upon request