

RESUME



CONTACT DETAILS:

Room No: A-714, Bhabha Bhawan,
SVNIT, SURAT
Gujarat – 395007,
Mob. No. 07227800545
E-mail: dhopte balaji@gmail.com
balaiidhopte@yahoo.com

NAME: BALAJI DHOPTTE

CAREER OBJECTIVE

Seeking a job in a reputed firm of yours, which provides me an opportunity to learn and enhance my engineering skills with full dedication.

ACADEMICS

INSTITUTION

QUALIFICATION

**SARDAR VALLABHBHAI NATIONAL
INSTITUTE OF TECHNOLOGY (SVNIT), SURAT,
GUJARAT**

PhD Pursuing
Chemical Engineering
Session: July 2016 to till date continues (**4 years**)

**S.P. MANDAL'S, PRIN. L. N. WELINGKAR
INSTITUTE OF MANAGEMENT DEVELOPMENT
& RESEARCH, MUMBAI, MAHARASHTRA**

MBA-PGDM- OPERATION MANAGEMENT
With Distinction (9 CGPA)
Session: 2018 - 2020

**MGM'S JAWAHRLAAL NEHRU COLLEGE OF
ENGINEERING, AURANGABAD, MH
(Dr. Babasaheb Ambedkar Marathwada university)**

M.E (Chemical Engineering)
With Distinction (8.7 CGPA)
Session: 2013- 2015

**FINOLEX ACADEMY OF MANAGEMENT AND
TECHNOLOGY, RATNAGIRI
(Mumbai University)**

B.E (Chemical Engineering)
With Distinction (70%)
Session: 2012-2013

**SRI VYSHNAVI COLLEGE, CHANDAN NAGAR
HYDERABAD, A.P
(Board of Intermediate Education, Andhra Pradesh)**

12th Certificate
With First class (79.4%)
Session: 2008-09

**MADHYAMIC VIDYALY DEOVANDRA,
PATHRI DIST- PARBHANI
(Maharashtra State Board)**

10th Certificate
With Distinction (85.69%)
Session: 2006-07

WORK EXPERIENCE

- **ECO SENSE SANJAY TECHNO PLAST PVT. LTD. AURANGABAD**
Worked as Research Scholar from March, 2015 to June, 2016 (TOTAL EXPERINCE: 15 Months)

AREA OF INTEREST AND ENGINEERING SKILLS

1. **Process calculation**
2. **Heat transfer and Mass transfer operation**
3. **Fluid Flow Operations**
4. **Pinch Analysis**
5. **Management**
6. **Design Software:** Aspen Energy Analyzer V.8.0, Aspen plus, Polymath, MATLAB, Visio Technical 4.0, ChemCAD, ChemDraw, Design of Experiment, ANOVA, MiniTab, IviumSoft,

PROJECTS UNDERTAKEN

PhD PROJECT WORK:

PROJECT TITLE (PhD): Studies on the Effects of Interfacial Interactions of Liquids Containing Selected Macromolecules

PhD WORK CARRING OUT AT: Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat.

DURATION: From July 2016 to Current date

DESCRIPTION: Electrochemical impedance measurement study and colloidal interface study by Langmuir adsorption isotherm phenomenon for the selected macromolecules. Work in progress

M.B.A PGDM OPERATION MANAGEMENT PROJECT WORK:

PROJECT TITLE (MBA-PGDM): Current Trends and Challenges in Global Procurement Management

MBA WORK CARRING OUT AT: Welinkar Institute of Management Development & Research, Mumbai, MH.

DURATION: From Jan 2020 to May 2020

DESCRIPTION: Global procurement is a process by which an organization procures the products and services according to their requirement. It involves coordination, integration, of a highly complex network of common items and materials, processes, designs, technologies and suppliers across worldwide. Globally, the various providers involved in the value chain of the product include manufacturers, suppliers, distributors, intermediaries, and customers.

M.E. PROJECT WORK:

PROJECT TITLE (P.G): Studies of Heating and Cooking Devices, Energy, Cost, and Thermodynamics

PROJECT CARRIED OUT AT: Sanjay Techno Plast Pvt. Ltd. Waluj Aurangabad -431003

DURATION: From May 2014 to May 2015.

DESCRIPTION: Energy is vital input for any developing country so developing of alternative model is necessity. Project work was based on improvement of Biomass related heating and cooking devices design and co-related developments in the products. The optimization of several factors as on energy, cost and thermodynamics of the developed devices were the important goal of project. The affecting as well as standardizing of the selection process was carried out with the help of Indian standards norms for commercial usage.

B.E. PROJECT WORK:

PROJECT TITLE (U.G.): Design of Heat Exchanger Network

PROJECT CARRIED OUT AT: FINOLEX INDUSTRIES Pvt. Ltd. Ratnagiri, Maharashtra (CASE STUDY)

DURATION: Final year U.G project (2012-13)

Description: Designed the optimum heat exchanger network for the Finolex industry, which saves utility cost. We did the process-to-process heat integration in the project. For the minimization and designing an modeling we used ASHPEN ENERY ANALYSZER V.8 and VISIO CHEM software's.

INPLANT TRAINING

1. In plant training in **FINOLEX INDUSTRIES Pvt. Ltd.** at Ranpar(Ratnagiri), Maharashtra
2. In plant training in **SRI RENUKA SUGAR INDUSTRIES** at Pathri(Parbhani), Maharashtra
3. Industrial visit to **AUCHEL PVT. LIMITED** at Ratnagiri, Maharashtra

PAPERS PRESENTED IN INTERNATIONAL CONFERENCE

Papers published

1. Balaji Dhopte, V.N. Lad, "Alteration of Surface Pressure of Macromolecular Monolayer at the Air-Water Interface and Electrochemical Impedance Characteristics" **Colloids and Surfaces B: Biointerfaces**, (2019), 110638, doi: 10.1016/j.colsurfb.2019.110638 (**IMPACT FACTOR=4.37 as on 2019**)

Papers under review

2. Balaji Dhopte, V. N. Lad, "Whey Protein Isolates Characterization for Better Performance in Building Immune System Resistance", (**Manuscript under review**)
3. Balaji Dhopte, V. N. Lad, "Monoolein lipid Langmuir monolayer interaction study at air- water interfaces with different interacting sub-phases", (**Manuscript under review**)
4. Balaji Dhopte, V. N. Lad, "Potential of protein molecules recovered from milk of cow from Indian origin for preventing exposure to infectious material", (**Manuscript under review**)
5. Balaji Dhopte, V. N. Lad, "Pulmonary surfactant phospholipids Langmuir monolayer and their thermodynamics interaction hypothesis studies on air-water interface", (**Manuscript under construction**)

Papers under construction

6. Balaji Dhopte, V N Lad, "Effect of Barrier speed on Formation of Phospholipids Langmuir Monolayer at Air-water Interface, (**Manuscript under construction**)
7. Balaji Dhopte, V N Lad, "Milk Protein Macromolecule, Nanoparticles Interaction: A Review", (**Manuscript under construction**)

Papers presented at conference

1. Balaji Dhopte and V. N. Lad, "Formation of Monoolein lipid Langmuir monolayer at air-water interface with different interacting sub-phases", International conference on Complex Fluid, **CompFlu 2019, IISER, Bhopal**, 05 - 07th December 2019
2. Balaji Dhopte and V. N. Lad, "The effects of surfactant droplet size to find out the changes in interfacial colloidal properties" **CHEMCON-2018, NIT, Jalandhar**, 27 - 30th December 2018
3. Balaji Dhopte and V. N. Lad, "Casein protein and Whey protein-based Macromolecule Study of Langmuir Monolayer at Air-Water Interface and Electrochemical Impedance Analysis" **CHEMCON-2018, NIT, Jalandhar**, 27 - 30th December 2018
4. Balaji Dhopte and V. N. Lad, "Protein-oil-water Langmuir isotherm adsorption study at air-water interface and electrochemical impedance analysis" 3rd International conference on Soft Materials **ICSM 2018, MNIT Jaipur**, 09-14th December 2018.
5. Balaji Dhopte and V. N. Lad, "Protein based thin layer formation in Langmuir isotherm at the air / water interfaces and stability effect by EIS measurement" International conference on Materials and Technologies for Energy Conservation and Storage **MTECS 2018, BARC, Mumbai**, 26 - 29th September 2018
6. Balaji Dhopte and V. N. Lad, "Langmuir monolayer from the protein dispersion" International conference on Complex Fluid **CompFlu 2017, IIT, Madras**, 18 - 20th December 2017
7. Balaji Dhopte and V. N. Lad, "Electrochemical impedance measurement for characterization of casein dispersion" International Conference on Electrochemical Science & Technology **ICONEST 2017, IISc, Bangalore**, 10 - 12th August 2017.

- Balaji Dhopte and V.N. Lad, "Effects of selected nanoparticles on tuning the microstructure of gels" International conference on Nanotechnology Applications: Chemical, Energy and Environment NACEE 2017, SVNIT, Surat, 22 – 23th March 2017

Workshop attended

- A Three day workshop on "Orbitrap High Resolution Mass spectrometer (HRLCMS) and 600 MHz Nuclear Magnetic Resonance Spectrometer (NMR)", **organized by SAIF, IIT, Bombay**, 23 - 25th May 2018
- One day workshop on 'Polymer Science & Technology' **organized by MNIT Jaipur, at ICSM 2018**, 9th December 2018

EXTRA CURRICULUM ACTIVITIES

- Associate Hostel warden and member of Hostel Management Committee at SVNIT Surat from July-2017 to June -2018.
- Active participation in We-Upskills "Balanced Scorecard session" April 2020 through virtual class mode.
- Attended One day workshop of "ASPEN PLUS" at IIT Bombay.
- Attended Three day workshop on "Nanotechnology" at MIT, Aurangabad.
- Participated in the ROBOSOCCAR organized in NOVETURE11 by R.M.C.E.T, Devrukh.
- Participated in National Level technical paper presentation EXOTECH12 at FAMT, Ratnagiri.
- Worked as volunteer for conferences held in college in 2014 and 2015 at JNEC, Aurangabad.
- Member of PhD cricket team participated in MMNCT-2017 and MMNCT-2018.

TRAITS

- Very enthusiastic and highly motivated with a positive attitude.
- Hard working, sincere, accountable, committed and active team member.
- Achievement oriented, self-motivated with excellent communication skills.
- Ability to manage change with ease.
- Willingness to learn new things.

INTERESTS AND HOBBIES

- Good Athlete: Running, Disk throw, Long Jump, High Jump,
- Likes: Chess, Basketball, Volleyball, Badminton, Cricket, Novel readings.
- Good player in Indian Stock Market (NSE/BSE) and Economics studies.

BELIEF

'My dream is to join an organization that motivates its people to do difficult things in simplest way'

PERSONAL PROFILE

Date of Birth:	10th October 1991.
Father's Name:	Sopan Gopinathrao Dhopte
Gender:	Male
Nationality:	Indian
Linguistic Proficiency:	English, Hindi, Marathi, Telgu, Gujarat, Sanskrit

DECLARATION

To whomsoever It May Concern, I hereby declare that the above mentioned information is correct to my knowledge and belief.

Place: SURAT (GUJARAT)

BALAJI DHOPTTE