

## LOGESHWARAN NATARAJAN



### RESIDENTIAL ADDRESS:

🏠 206 HO, SAMSONG 5-GIL, JEONJU,  
JEONJU-SI, SOUTH KOREA-54899

🏠 105, MARIYAMMAN KOVIL STREET,  
KUMALANKUTTAI, ERODE, TN-638011

E-MAIL: *viratlokhi@gmail.com, viratlokhi@jbnu.ac.kr,*

MOBILE: +82-10-6495-9806 (OFF) , +91-97155-98098 (HOME),

## CARRIER OBJECTIVE

To secure employment in a challenging and rewarding role where I can utilize and extend my skills and abilities. I seek to broaden my horizons, utilizing and developing my communication, interpersonal, organizational, and administrative abilities and depth of experience.

Performed small-scale testing, researched product opportunities and laboratory manufacturing processes, and introduced improvements to the company according to available data.

## EDUCATIONAL QUALIFICATION

- DOCTOR OF PHILOSOPHY in ENERGY STORAGE AND CONVERSION ENGINEERING with distinction from Jeonbuk National University, Jeonju, South Korea, during 2020-2023  
CGPA: 9.2
- MASTERS OF ENGINEERING in ENERGY STORAGE AND CONVERSION ENGINEERING with distinction from Jeonbuk National University, Jeonju, South Korea, during 2018-2020  
CGPA: 9.52
- BACHELOR OF TECHNOLOGY in CHEMICAL ENGINEERING with First class from Kongu Engineering College (Autonomous) Erode, Affiliated with Chennai, during 2010-2014  
CGPA: 6.52

## WORKING EXPERIENCE

Currently working as a post-doctoral researcher at **Jeonbuk National University**, Jeonju, South Korea. (2023)

visit- <https://sites.google.com/view/djyoo/home>

Worked as a production management trainee cum laboratory technician in **TANWEL** (TIN: 33772876397.CST RC NO: 707942/27.7.04) manufacturing of basic chromium sulphate leather chemicals plant in Erode, during 2014-2016

## MAJOR RECORDS PUBLICATION

- An efficient and durable trifunctional electrocatalyst for zinc–air batteries driven overall water splitting (IF-24.25)
- Quasihexagonal Platinum Nanodendrites Decorated over CoS<sub>2</sub>-N-Doped Reduced Graphene Oxide for Electro-Oxidation of C1-, C2-, and C3-Type Alcohols (IF-18.5)

## PROJECTS ON COLLEGE

- We had done a project of **Design of Debutanizer column** for theoretical Distillation process calculation by using **Aspen Hysys** at **TECHNIP INDIA LIMITED Chennai**, from 14<sup>th</sup> November 2013 to 28<sup>th</sup> March 2014 ( **Ref : TRG/16/KEC** )  
(Aspen Hysys is a simulation tool for Chemical process calculation)  
Here we compare the ideal results with simulation tool results to get the best packing material for this process
- **Decolorization of Distillery effluents** using metal oxide catalysts. It is mainly used to increase both photosynthetic activities and dissolved oxygen concentration in aquatic life  
The characterization of the catalyst is done using SEM and XRD for particle size and structural determination
- **AQUA – FIT** (Mobile Water purification cycle). This is an experimental project for purifying the water using manpower at OPEN HOUSE EXHIBITION in KEC -2013

- **Adsorption of Dye using Industrial leather waste.** For the precautionary process of dyes to the environment, done at OPEN HOUSE EXHIBITION in KEC -2013
- **Auto Boom Bicycle Drum Sprayer,** done at OPEN HOUSE EXHIBITION in KEC -2012

## SOFTWARE SKILLS

### CHEMICAL ENGINEERING SIMULATION SOFTWARES

- Origin Lab 2020
- ASPEN PLUS
- ASPEN HYSYS
- HTRI

## COMPUTER LITERACY

- Hardware operation
- Operating platform: Mac, Windows 10
- Basic level c
- Microsoft Office
- Microsoft Outlook

## IN PLANTING TRAINING

Training Institution: Common Effluent Treatment Plant (CETP)-SIPCOT, Perundurai.

Description: Learned how to treat effluent water such as ETP, UF, RO, etc.

Training Institution: India cements pvt ltd Sankagiri, Salem.

Description: Learned the process involved in producing types of cement from raw material and various unit operations involved in the process.

## EXTRA AND CO-CURRICULAR ACTIVITIES

- Participated in the 16<sup>th</sup> District level Jawaharlal Nehru science exhibition in Vellalar Girls Higher Secondary School Erode in 2006.

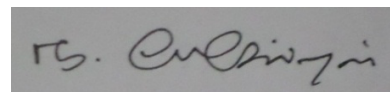
- First Place in Geneva Convention Day celebration essay competition at CSI Girls Higher Secondary school Erode.
- Third place in Jaycee week celebration essay competition in GTS Girls Higher Secondary school Erode
- Eligible for visit of The President of India Dr.APJ Abdul kalam's visit as an school-level student at Kongu Engineering College on 2006

#### MEMBERSHIP DETAILS

- Member of INDIAN INSTITUTE OF CHEMICAL ENGINEERS (Student's chapter).
- Secured as an active member of the Rotaract club of Kongu Engineering College from 2012-2013.

#### PERSONAL INFORMATION

Date of Birth : 05<sup>th</sup> April 1992  
 Father & Mother name : Mr. Natarajan & Mrs. Rajalakshmi  
 Sex & Marital status : Male/ Unmarried  
 Nationality : Indian  
 Languages:  
     Reading: English/Tamil  
     Writing: English/Tamil  
     Speaking: English/Tamil  
 Passport Number : M9020447  
 Validity : 11/05/2025



[ N.LOGESHWARAN ]

#### REFERENCES

- Prof. Dong Jin Yoo Ph.D  
 Director of the Education Center for Whole Life Cycle R&D of Fuel Cell Systems. BK21, Educational Center for Hydrogen Energy Convergence Technology,  
 Jeonbuk National University

South Korea  
Email id: [djyoo@jbnu.ac.kr](mailto:djyoo@jbnu.ac.kr)  
Mobile No: +82-10-2110-2328

- Dr. K.Saravanan M.Tech., Ph.D (Tech)  
Head of the department  
Kongu Engineering College  
Perundurai, Erode  
Email id: [hod\\_chem@kongu.ac.in](mailto:hod_chem@kongu.ac.in)  
Mobile No: +91-9786605656
- Dr.V.Chithra Devi M.Tech., Ph.D  
Associate Professor  
Department of Chemical Engineering  
Kongu Engineering College, Erode  
E-Mail: [chitrasuresh@kongu.ac.in](mailto:chitrasuresh@kongu.ac.in)  
Mob no: +91 9865904404