

# Curriculum Vitae

Dr. Challa Ravi Kiran

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## **Objective**

I completed PhD in Applied Chemistry, in the area of Food Science and technology from CSIR- NIIST (Trivandrum, India). Having bright exposure to writing and editing of academic manuscripts, I am looking for an academic editor/writer role that utilizes my research and academic experience on a long-term basis.

## **Freelance Academic Experience**

### **October 2020 - Present (Freelance Academic Editor)**

**Organization:** TopEdit English Editing LLC., Gaithersburg, Maryland

**Job Description:** Proofreading, copyediting and substantive editing of journal manuscripts to improve the language, and scientific information presented by the authors.

### **November 2020 - Present (Freelance Journal Expert Reviewer)**

**Organization:** Journal Lab, Lexcode Inc., Philippines

**Job Description:** To provide expert review for the manuscripts before the submission to journal and to improve scientific quality of the research papers submitted by the authors.

## **Professional Experience**

### **September 2015- Present (Group Leader)**

**Organization:** Nutrition and water department, VIMTA Labs Ltd., Hyderabad, India.

**Job Description:** Project management and Team building in food testing. Method development and Method Validation/Verification/Transfer of the compendial/in- house/customer supplied methods for the analysis of various food components on Chromatographic and Spectrophotometric instruments.

### **August 2010 – March 2015 (Project Assistant Gr II)**

**Institution:** Agroprocessing and Natural Products Division, CSIR - National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India.

**Job Description:** Research and development in food science and technology. Execution of projects related to evaluation of *trans* fatty acids (TFA) in hydrogenated vegetable oil products, development of Indian standards for North Eastern Ginger Cultivars.

## **Educational Profile**

### ➤ **PhD in Applied Chemistry (Food Science and Technology)**

**CSIR - NIIST, Kerala, India (August 2012 - May 2016)**

**Cochin University of Science and Technology (CUSAT), Kerala (GPA 8.0/10)**

**Project Thesis:** Thermal Degradation Studies on Edible Oils during Deep Fat Frying process.

- **M.Sc in Food Chemistry & Food processing**  
**Loyola College, Chennai (2008-2010)**  
**University of Madras, Tamil Nadu, India (Marks Obtained – 73%)**  
**Project Thesis:** Development of Omega-3 Fatty acid enriched foods
- **B.Sc in Bio technology, Zoology& Chemistry (Triple major)**  
**Andhra Loyola College, Vijayawada (2005-2008)**  
**Acharaya Nagarjuna University, Andhra Pradesh, India (Marks Obtained – 78%)**  
**Project Thesis:** Antimicrobial activity of essential oil of *Trigonella foenum-graecum*

### **Technical Exposure**

- Lipid Chemistry including chemo-profiling of fats and oils & spice essential oil analysis.
- Food product development, proximate analysis and sensory analysis.
- Column chromatography, GC, GC-MS, HPLC, LC-MS, HP-TLC, UV-VIS spectrophotometer, FT-IR, Differential scanning calorimeter (DSC) & Multimode plate reader. Knowledge on MALDI-TOF-MS, ICP-MS, Spray dryer and Nutraceuticals.

### **Trainings Attended**

- Attended Hands on Training on “Method of Analysis of Fortificants in Edible Oils & Fats” organized by FSSAI, New Delhi from 2018/09/24 to 2018/09/28 at FARE Labs Pvt. Ltd., Gurgoan.
- Trained on Water analysis, Lipid chemistry & Food microbiology in Vitro Labs, Hyderabad.
- Trained on GC and GC-MS in Analytical chemistry department, Orchid Pharmaceutical Research& Development Center, Chennai.

### **Achievements**

- Qualified in GATE - 2011 Examination With 1253/13262 Rank (90.5%), Organized by IIT Madras.
- TOEFL IBT Score – 79/120 (Valid from 22/11/2011 to 22/11/2013).
- Qualified in Food analyst exam (6<sup>th</sup> FAE - 2019) conducted by FSSAI, Government of India

### **Publications**

- **Challa Ravi Kiran**, Indu sasidharan, A. Sundaresan (2015). Effect of natural and synthetic antioxidants on the formation of polar compounds in the soybean oil at frying temperature. *Journal of Food Science and Technology* (DOI 10.1007/s13197-015-1774-7).
- **Challa Ravi Kiran**, Ashok Kumar Chakka, K.P. Padmakumari Amma, A. Nirmala Menon, M.M. Sree Kumar, V.V. Venugopalan (2013). Influence of Cultivar and Maturity at Harvest on the Essential Oil Composition, Oleoresin and [6]-Gingerol Contents in Fresh Ginger from Northeast India. *Journal of Agricultural and Food Chemistry* 61 (17), 4145–4154.
- **Challa Ravi Kiran**, Reshma M V, A. Sundaresan (2013). Separation of *cis/trans* isomers of fatty acids in gas chromatography and comparison to Ag-TLC method. *Grasas y Acetias* 64 (1), 95-102.
- **Challa Ravi Kiran**, Ashok Kumar Chakka, K.P. Padmakumari Amma, A. Nirmala Menon, M.M. Sree Kumar, V.V. Venugopalan (2013). Essential Oil Composition of Fresh Ginger Cultivars from North-East India. *Journal of Essential oil research* 25 (5), 380-387.

- Reshma M V, **Challa Ravi Kiran**, P Nisha, SobanKumar D R, Sundaresan A, Jayamurthy P (2012). *Trans* Fat content in labeled and unlabelled Indian bakery products including fried snacks. International Food Research Journal 19 (4), 1609-1614.
- Gurple Rakesh D. Prabhu, **Challa Ravi Kiran**, A. Sundaresan, Rajesh S. Mony, V.V. Venugopalan (2015). Process Development studies for recovery of bio active isolates from Spent Black Pepper generated from Ayurvedic Industry. Industrial crops and products 66, 144–14.

### **Referees**

- Dr. Ravi Shankar L, Scientist, Agro-Processing & Natural Products division (currently in Chemical Sciences and Technology division), National Institute for Interdisciplinary Science & Technology (NIIST- CSIR), Thiruvanthapuram, India. Email: raviweblog@gmail.com, Phone: 0471-2515317.
- Prof. Jeyamani Divya Christodoss, Food Chemistry & Food Processing Department, Loyola College, Chennai, India. Email: divyajc@yahoo.com, Phone: +91-9841866964.

### **Personal Profile**

Date of Birth : 27/05/1987  
Father's Name : Ch. Krishna Prasad  
Nationality : Indian  
Gender : Male  
Marital Status : Single  
Languages known : Telugu, English & Hindi  
Passport No : M3145825 (Valid upto 26/10/2024)  
Address for correspondence : D.NO.43-131-16, K. L. Rao Road, New Azit Singhnagar, Vijayawada, Andhra Pradesh, India – 520015.

### **Declaration**

I hereby declare that the above information is complete and accurate to the best of my knowledge.

Date: 19-02-2021  
Place: Hyderabad

Ch. Ravi Kiran

