**CURRICULUM VITAE**

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**1. Personal Details**

**Name**: Claret Shalini D’Souza

Assistant Professor

Dept. Food Science

St. Aloysius (Deemed to be University)

**Contact No**: 9945743211

**Email**: claret\_dsouza@staloysius.edu.in

**2. Educational Qualifications**

**Ph.D. Pursuing, registered in 2024 University**: St. Aloysius (Deemed to be University), Mangalore

* **UGC NET Qualified –** Home Science (June/Dec 2021)
* **M.Sc. Food Science and Technology –** St. Aloysius College, Mangalore (2015-2017)
* **B.Sc. Food, Nutrition, and Dietetics –** Besant Women’s College, Mangalore (2012-2015)
* Completed the **HACCP Level 3 (HABC Certified) Training** at INDOCERT from **24/05/2017 to 26/05/2017**.

**Additional Qualification:**

* I successfully completed the **Dairy and Food Process and Products Technology** course through NPTEL (July–October 2023, 12 weeks, Course Code: NPTEL23AG18S541400340).
* I also completed the **Intellectual Property Portfolio Management** course through NPTEL (August–October 2024, 8 weeks, Course Code: NPTEL24GE62S555200072).
* Additionally, I completed the **Development Research Methods** course through NPTEL (August–October 2024, 8 weeks, Course Code: NPTEL24HS181S855200442).

**3. Responsibilities at SAU**

* Student Welfare officer for Ist and IInd year M.Sc.
* Freshco- Dept. of PGSR, Food Science Association In-charge
* Created materials and exercises to illustrate the application of course concepts.
* Contributed to campus activities to promote a positive university image.
* Researched study materials per syllabus requirements.
* Revised and modified lessons for subsequent semesters.
* Guiding Research students
* Dept. Newsletter In-charge
* Dept. BoS

**4. Experience**

1. **Current**
   * **Designation**: Assistant Professor
   * **Department**: Post Graduate Studies and Research in Food Science
   * **Organization**: St. Aloysius (Deemed to be University), Mangalore
   * **Start Date**: Current
2. **Previous**
   * **Company/Organization**: Akshaya Patra, Mangalore
     + **Designation**: Quality Assurance Executive
     + **Start Date**: June 2017
     + **End Date**: June 2021
   * **Company/Organization**: Milagres College, Mangalore
     + **Designation**: Assistant Professor
     + **Start Date**: June 2018
     + **End Date**: June 2021
   * **Company/Organization**: Shree Devi College of Hotel Management, Mangalore
     + **Designation**: Guest Lecturer
     + **Start Date**: June 2017
     + **End Date**: July 2018

**5. Research Areas**

* **Food Product Development** – Formulating innovative and nutrient-rich food products using sustainable and functional ingredients.
* **Waste Utilization and Valorization** – Converting food processing byproducts and agricultural waste into value-added products to enhance sustainability.
* **Sensory and Functional Analysis** – Evaluating the taste, texture, aroma, and overall acceptability of food products through scientific and consumer-based assessments.
* **Food Safety and Public Health** – Ensuring food safety by assessing microbial contamination, hygiene practices, and regulatory compliance.
* **Intellectual Property in Food Science** – Understanding and applying patents, trademarks, and copyrights to protect food innovations.
* **Utilization of Underutilized Green Leafy Vegetables** – Exploring their nutritional potential, processing techniques, and incorporation into food products for improved dietary sustainability.

**6. Conference Proceedings**

1. Participated  in the **ECIPH Dialogues 2024: International Conference on Reconstructing Global Health and Social Impact**, held on 22 September 2024  held at EMD Auditorium, Yenepoya Deemed to be University on 22nd September, 2024.

2. "Enhancing the taste, flavor, Quality and acceptability of Pineapple squash by blending with exotic spices: A study using Bird’s Eye Chillies" at the International level 30th Indian Convention of Food Scientists and Technologist, ICFoST 2024, at D Y Patil Deemed to be University, Navi Mumbai, on 20th December, 2024.

3. Presented Poster on "Assessing the Impact of Online Food Ordering Apps on Body Mass Index of Individuals in Dakshina Kannada: A Pilot study" at the National level 45th Annual Conference of Indian Association of Biomedical Scientists on November 8, 2024 at A. J. institute of Medical Sciences and Research Centre, Mangaluru.

4. Participated in International Online Faculty Development Program on ‘Data Visualization and Analytics’ with Excel, Power BI, Tableau and Generative AI organized by the PG Department of Computer Applications and IQAC of Marian College Kuttikkanam (Autonomous) in association with ipsr solutions limited and Valin - UK, USA and Canada from 05 July 2024 to 11 July 2024.

5. Students Ms. Gopika Jayakumar and Ms. Sandra Paul under my guidance presented a poster on *"Standardization, Fortification, and Physiochemical Characterization of Apple and Carrot Pomace Jam"* at the Two-day National Level Conference on Advances in Food Technology and Nutrition (AFTN-2024), held at Kuvempu University, Shimogga, in 2024.

6. Under my guidance, Ms. Swetha (228327) delivered an oral presentation on *"Formulation, Characterization, and Shelf-life of Instant Soup Mix Incorporating Cnidoscolus chayamansa"* at the same conference. Her research was included in the conference proceedings.

7. **Research Grants:**

* **MJES Mangalore Jesuit Educational Society Minor Research Funding** of 1,60,000 for the project titled Extraction and Characterization of Starch byproducts of local crops: Modification for resistant starch enhancement -Ongoing.
* **MJES Minor Research Funding** for Evaluating the Hypoglycaemic potential of Arrowroot Leaves: A natural approach to Diabetes Management, 2025-Ongoing.
* **MJES Minor Research Funding** for Shrimp waste valorization: Comparative study on different Oil extraction methods from shrimp industry waste, 2025-Ongoing.
* **Mangalore Jesuit Educational Society Major Research Funding** for Shrimp waste characterization, March 12, 2024-Ongoing.
* **MJES Minor Research Funding** for Fruit Juice Processing waste to produce Whey Protein Fortified Jams, 2023-Completed.

**8. Membership:**

* BoS member of Yenepoya Deemed to be University for the Dept. of Food Science
* BoS member of Mangalore University for the Dept. of Food Science

**9. Patents:**

1.  Patent Publication: An Edible Composition and Method for Preparation of Instant Fish Soup Mix with Micronutrient Enriched Edible Plant Leaves" (Application No: 202441063705 A, Published on September 6, 2024

2. A patent titled “A process for preparation of mushroom trimming powder with paste for production of nutrient rich food products” filed under application number 202541011453 A on 14th February 2025.

3. A patent titled “A composition and process for preparation of instant tea mix enriched with micronutrient-rich lilac tassel flower leaves”, Application No.202541014563 A on 7/03/2025

**10. Workshops/Conferences and Resource Person:**

* Served as a **resource person** for the workshop 'Decoding Food Systems and the Global Health Nexus for Creating Effective Policies,' conducted by the School of Public Health, D. Y. Patil University, Mumbai, on December 19, 2024. The session focused on linking food systems with global health challenges and designing actionable policies."
* International level 30th Indian Convention of Food Scientists and Technologist, ICFoST 2024, at D Y Patil Deemed to be University, Navi Mumbai, on 20th December, 2024
* National level 45th Annual Conference of Indian Association of Biomedical Scientists on November 8, 2024 at A. J. institute of Medical Sciences and Research Centre, Mangaluru.
* Completed hands-on Workshop on OBE and Question Bank preparation using QnSmart I Organised by the IQAC of St Aloysius College (Autonomous) Mangalur and The Office of Registrar and Controller of Examinations in association with ipsr solutions limited on 14 July 2023
* Participated in a National Level Webinar on, Climate Change Research in India- Efforts and Outcomes by Dr Chaitanya Jain, on September 29, 2023 organized by the Department of Postgraduate Studies and Research in Chemistry, St Aloysius College (Autonomous), Mangaluru - 575 003.
* Completed NPTEL 12 week Certification course on Dairy and Food Process and Product Technology from July 2023 to October 2023.
* Participated in the Seven-Day National Level Online Faculty Development Programme on Reshaping Education: AI- Powered Pedagogy and Research organised by the Department of Professional Management Studies, Kristu Jayanti College, Autonomous, Bengaluru from 4th December 2023 to 11th December 2023.
* Participated in the IQAC 16th National Conference on ‘Building Multidisciplinary and Transdiciplinary Capabilities in Higher Education organised by the Department of Kristu Jayanti College, Autonomous, Bengaluru from April 5, 2024 to April 6, 2024.
* Participated Eureka- 3 day International Workshop on ‘Research Writing and Publishing in Reputed Journal organized by the Center of Excellence for Research and Innovation and Entrepreneurship in association with IQAC PACE.
* Participated in 5 day FDP on Research Roadmap: Chapter 1 organized by the Dept of PGSR in Food Science, St. Aloysius College (Autonomous), Mangaluru from August 11, 2023 to August 17, 2023.
* Attended an **Awareness Training on ISO 22000:2005 Food Safety Management System (FSMS)** conducted by Dhyeya Training and Consultancy from **12/01/2016 to 14/01/2016**.

**11.Certificate Course Coordinator:**

* Coordinated a 30-hour online certificate course on “Food Safety & Quality Control” on the SAC e-learning portal.
* Coordinated a 30-hour online certificate course on “Food Engineering and Instrumentation” on the SAC e-learning portal.
* Coordinated a 30-hour online certificate course on “Processing Technology of Mushroom” on the SAC e-learning portal

**12. Awards/Recognitions**:

* Received the **Global Women in Business and Leadership Award** by Global Women's Business and Leadership Alliance, Global Council for the Promotion of International Trade, 2025.
* Secured Second Rank in M. Sc. in the year 2017.