

CURRICULUM VITAE

PERSONAL INFORMATION

Dr. Vishram D. Hiremani

Designation: Assistant Professor of Chemistry

Date of Joining : 16-08-2022

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OBJECTIVES

To make a positive impact in my field of activity leading to organization growth by creative application of my value based convictions and professional divinity by putting my all efforts in the work assigned to me in an organization where I can grow along with the organization.

ACADEMIC RECORDS

- Completed **B.Sc.** Degree from GSS Degree College, Belagavi affiliated to Rani Channamma University, Belagavi, Karnataka.
- Completed **M.Sc.** Degree from JSS PG College Gokak, affiliated to Rani Channamma University, Belagavi, Karnataka.
- Awarded **Ph.D.** Degree in Chemistry from Karnatak University, Dharwad.
- **Thesis Title:** Physicochemical and Biological Properties of Polysaccharide Based Polymer Blend Films.
Research Supervisor: Dr. Ravindra B.Chougale, Associate Professor, Department of Chemistry, Karnatak University, Dharwad.

INDUSTRIAL EXPERIENCE

- One year industrial experience as a QA Chemist in the Department of Quality Assurance in Millennium Starch, India, Pvt, Ltd, Athani, Belagavi, Karnataka for the period 15-11-2017 to 31-11-2018.

RESEARCH INTEREST

- Polymer Nanocomposites, Biodegradable Polymers, Polysaccharide based Intelligent and active Food Packaging Films.

MEMBER OF PROFESSIONAL BODY

- **Life member**, International Scientific Research Organization for Science, Engineering and Technology (ISROSET).
- **Life member**, Karnatak University Chemistry Alumini Association, Karnatak University, Dharwad.

AWARDS RECEIVED

- **Indian Chemical Society Research Excellence Award** for the Presentation of research work entitled "*Improved physicochemical and biological properties of eco-*

friendly Chitosan/Propyl gallate blend films: A potential material for active food packaging applications” in the 58th Annual Convention of Chemists, 2021 and International Conference on “Recent Trends in Chemical Sciences (RTCS-2021)” organized by the Indian Chemical Society, Kolkata, during December 21st-24th, 2021.

RESEARCH PUBLICATIONS

1. [Vishram D. Hiremani](#), Sheela Khanapure, Tilak Gasti, Naganagouda Goudar, Shyam Kumar Vootla, Saraswati P. Masti, Ravindra B. Malabadi, Bhagyavana S. Mudigoudra, Ravindra B. Chougale, **Preparation and physicochemical assessment of bioactive films based on chitosan and starchy powder of white turmeric rhizomes (Curcuma Zedoaria) for green packaging applications**, *International Journal of Biological Macromolecules*, 193 (2021) 2192-2201.
2. [Vishram D. Hiremani](#), Naganagouda Goudar, Tilak Gasti, Sheela Khanapure, Vinayak N. Vanjeri, Sarala Sataraddi, Oshin Jacintha D'souza, Shyam Kumar Vootla, Saraswati P. Masti, Ravindra B. Malabadi, Ravindra B. Chougale, **Exploration of Multifunctional Properties of Piper betel Leaves Extract Incorporated Polyvinyl Alcohol-Oxidized Maize Starch Blend Films for Active Packaging Applications**, *Journal of Polymers and the Environment*, 130 (2021) 1-16.
3. [Vishram D. Hiremani](#), Mallikarjun H. Anandalli, Tilak Gasti, Shruti Dixit, Praveen K. Bayannavar, Saraswati P. Masti, R. F. Bhajantri, Shyam Kumar Vootla, Bhagyavana S. Mudigoudra, Ravindra B. Chougale, **Dominant Nature of 7-hydroxy 4-methyl coumarin Dye on Thermal, Fluorescence and Antimicrobial Properties of PVA/OMS Blend Films**, *Journal of Polymer Research*, 28 (2021)1-12.
4. [Vishram D. Hiremani](#), Sarala Sataraddi, Praveen K. Bayannavar, Tilak Gasti, Saraswati P. Masti, Ravindra R. Kamble, Ravindra B. Chougale, **Mechanical, Optical and Antioxidant Properties of 7-hydroxy-4-methyl coumarin Doped Polyvinyl alcohol/Oxidized Maize Starch Blend Films**, *SN Applies Sciences*, 2 (2020) 1-18.

5. [Vishram D. Hiremani](#), Tilak Gasti , Saraswati P. Masti , Ravindra B. Malabadi, Ravindra B. Chougale, **Polysaccharide Based Blend Films as a Promising Material for Food Packaging Applications: Physicochemical Properties**, *Iranian Polymer Journal*, 39 (2021) 1-16.
6. [Vishram D. Hiremani](#), Tilak Gasti, Sarala Sataraddi, Vinayak N. Vanjeri, Naganagouda Goudar, Saraswati P. Masti, Ravindra B. Chougale, **Characterization of Mechanical and Thermal Properties of Glycerol Mixed Oxidized Maize Starch/Polyvinyl alcohol Blend Films**, *Chemical Data Collections*, 28 (2020) 100416.
7. Tilak Gasti, Shruti Dixit, Sarala P. Sataraddi, [Vishram D. Hiremani](#), Saraswati P. Masti, Ravindra B. Chougale, Ravindra B. Malabadi, **Physicochemical and biological evaluation of different extracts of edible *Solanum nigrum L* leaves incorporated chitosan/ poly (vinyl alcohol) composite films**. *Journal of Polymers and the Environment*, 28 (2020) 2918–2930.
8. Tilak Gasti, [Vishram D. Hiremani](#), Sheetal Suresh Kesti, Vinayak N. Vanjeri, Naganagouda Goudar, Saraswati P. Masti, Shivasharana Chandrabanda Thimmappa, Ravindra B. Chougale, **Physicochemical and antibacterial evaluation of poly (vinyl alcohol)/guar gum/silver nanocomposite films for food packaging applications**, *Journal of Polymers and the Environment*, 29 (2021) 3347-3363.
9. Tilak Gasti, Shruti Dixit, Oshin J. D'souza, [Vishram D. Hiremani](#), Shyam Kumar Vootla, Saraswati P. Masti, Ravindra B. Chougale, Ravindra B. Malabadi, **Smart biodegradable films based on chitosan/methylcellulose containing *Phyllanthus reticulatus* anthocyanin for monitoring the freshness of fish fillet**. *International Journal of Biological Macromolecules*, 187 (2021) 451-461.
10. Tilak Gasti, [Vishram D. Hiremani](#), Sarala P. Sataraddi, Vinayak N. Vanjeri, Naganagouda Goudar, Saraswati P. Masti, Ravindra B. Chougale, **UV screening, Swelling and In-vitro Cytotoxicity Study of Novel Chitosan/Poly (1-vinylpyrrolidone-co-vinyl acetate) Blend Flms**, *Chemical Data Collections*, 33(2021)100684.

11. Tilak Gasti, Shruti Dixit, [Vishram D. Hiremani](#), Ravindra B. Chougale, Saraswati P. Masti, Shyam Kumar Vootla, Bhagyavana S. Mudigoudra, **Chitosan-Pullulan Based Films Incorporated with Clove Essential Oil Loaded Chitosan-Zno Hybrid Nanoparticles for Active Food Packaging**, *Carbohydrate Polymers*, 227 (2022) 118866.
12. Naganagouda Goudar, Vinayak N. Vanjeri, Shruti Dixit, [Vishram Hiremani](#), Sarala Sataraddi, Tilak Gasti, Shyam Kumar Vootla, Saraswati P. Masti, Ravindra B. Chougale, **Evaluation of Multifunctional Properties of Gallic acid Crosslinked Poly (vinyl alcohol)/Tragacanth Gum Blend Films for Food Packaging Applications**, *International Journal of Biological Macromolecules*, 158 (2020)139-149.
13. Naganagouda Goudar, Vinayak N. Vanjeri, [Vishram D. Hiremani](#), Tilak Gasti, Oshin Jacintha D'souza, Ravindra B. Chougale, Saraswati P. Masti, **Preparation Evaluation of Spectroscopic, Microscopic And Hydrophobic Properties of Cetrimide And Polyethylene Glycol-400**, *Chemical Data Collection*, 36 (2021) 100796.
14. Naganagouda Goudar, Vinayak N. Vanjeri, [Vishram D. Hiremani](#), Tilak Gasti, Sheela Khanapure, Saraswati P. Masti, Ravindra B. Chougale, **Ionicly Crosslinked Chitosan/Tragacanth Gum Based Polyelectrolyte Complexes for Antimicrobial Biopackaging Applications**, *Journal Polymer and the Environment*, 108(2022)1-16.
15. Oshin Jacinta D'souza, [Vishram D. Hiremani](#), Tilak Gasti, Saraswati P. Masti, Naganagouda Goudar, Ravindra B. Chougale, **Fabrication and Study of Poly (vinyl alcohol) Film Functionalized with Basella alba Stem Extract**, *Journal Polymer and the Environment*, (2022)1-17.

CONFERENCE PRESENTATION

1. Presented (Oral) research work entitled ***“Improved physicochemical and biological properties of eco-friendly Chitosan/Propyl gallate blend films: A potential***

material for active food packaging applications” in the 58th Annual Convention of Chemists, 2021 and International Conference on “Recent Trends in Chemical Sciences (RTCS-2021)” organized by the Indian Chemical Society, Kolkata during December 21st-24th, 2021.

2. Presented (Oral) research work entitled “*Preparation and Physicochemical Assessment of Bioactive Films Based on Chitosan and Starchy Powder of White Turmeric Rhizomes (Curcuma Zedoaria) for Green Packaging Applications*” in the 58th Annual Convention of Chemists, 2021 and International Conference on “Recent Trends in Chemical Sciences (RTCS-2021)” organized by the Indian Chemical Society, Kolkata during December 21st-24th, 2021.
3. Presented (oral) research work entitled “*Exploration of Multifunctional Properties of Piper Betel Leaves Extract Incorporated Polyvinyl alcohol-Oxidized Maize Starch Blend Films for Active Packaging Applications*” in a two day international conference (virtual & traditional mode) on “Recent Advances in Sustainable Chemistry” organized by the Department of Chemistry, Govt. College for Women, Parade Ground, Jammu, India in collaboration with Cape Comorin Trust, India & Cape Comorin Publisher, India during January 10th-11th, 2022.

WORKSHOP ATTENDED

1. **One Day Workshop on Research Facility Training Programme (RFTP)** for research scholar under SERB Scientific Social Responsibility (SSR), Activity organized by Dr. Saraswati Masti, Principal Investigator, SERB Research Project (No. EMEQ-213/2014) held at Department of Chemistry, Karnatak Science College, Dharwad on 21st November 2019.
2. **One Day Workshop on Chemistry-Industry**, Jointly Organized by Department of Chemistry Karnataka University, Dharwad, and Rotary Club, Dharwad, on 23rd February 2021 held at Regional Science Centre, Karnatak University, Dharwad.