CURRICULUM VITAE

Dr. Gangadhar Babaladimath

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Academic Qualifications:

Name of the Course	Name of the University/ Institute	Year
Ph.D	Mangalore University, Mangalagangothri, Mangalore	2019
M.Sc (Inorganic Chemistry)	Karnatak University, Dharwad	2012
B. Sc	KLE Society's, J. T. College, Gadag	2008

Teaching Experience :

- **Lecturer**, K.L.E, Society's, PU College, Kukanoor, Koppal (Dist), 2012-2014, (**2-Years**)
- **Assistant Professor**, KLE Society's, PG, Dept. of Chemistry, R. L. Science Institute, Belagavi, July 2018 till Date.

Academic positions

- **Exicutive member** – Mangalore University Research Scholar Association (MURSA), Mangalore University - 2016-2017.
- **Convener** – Electroral Literacy Club (ELC) – 2018-19
- **Placement Officer –** 2019 to till date

Research Area :

- Conducting polymers
- Graft copolymers and its nanocomposite polymers
- Corrosion and Electrochemical studies of biopolymers
- Hydrogel for Drug Delivery and Waste Water Treatment

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Certificate Course/ FDP Attedended :

Sl. No	Title	Organized by	International / National	Date
01	Global Bussiness Foundation Skills	Infosys BPO Ltd. Mangalore	FDP	01st – 09th Augest 2017
02	OLMS & Designing E - Content	KLE Society's, JG College of Commerce, Hubballi	National level FDP	28th – 31st May 2020
03	Creating Impactful presentation programme	Safejob	Certificate Course	02nd - 05th June 2020
04	Techniques In Enhancing Teaching & Learning Skills	Idhaya College for Women, Kumbakonam	National level FDP	15th – 19th June 2020
05	Composite Materials and its Characterization	Achary Institute of technology, Bengalure	Certificate Course	22nd – 26th June 2020
06	Communication Skills and Use of ICT Tools for Effective Teaching Learning and Evaluation	Government First Grade College & PG Centre, Dharwad	FDP	22nd – 28th July 2020

Journal Reviewer :

- Journal of Science: Advanced Materials and Devices - Elsevier
- Polymer Bulletin } Springer
- Emergent Materials }
- Journal of Advances in Chemistry

Research Award :

- Best Paper award in two days international conference on "*Nano-Technology: The Fruition of Science*" (ICON-17) held during 15th & 16th February 2017 at Kanyakumari.

Research Guide for the M. Sc. Projects on:

- Green synthesis of silver nanoparticles Drug Release of Hydrogel Beads Loaded With Gold Nanoparticles, 2019-20.
- using Neem (Azadirachta indica) leaf extract, 2019-20

Patent filed

Title: Electro-responsive Magnetic Bio-Composite Hydrogel for Biomedical Application
Application No.: 202241018193 A
Publication Date : 08/04/2022

Book Publication

Title: Biopolymer Nanocomposites : Synthesis, Characterization and Applications
ISBN No.: 978-935668098-2
Publication Date : 28 August 2022
Publisher : BlueRose ONE, NewDelhi

Research Publications :

1. **Gangadhar Babaladimath** and Chapi, S., Sugarcane bagasse valorized superabsorbent graft copolymer for efficient deposition of crystal violet and indigo carmine dyes from aqueous solutions, *Emergent Materials*, 2022.

2. Rayar, A., **Gangadhar Babaladimath,** Ambalgi, A., Chapi, S., An eco-friendly synthesis, characterisation and antibacterial applications of gellan gum based silver nanocomposite hydrogel, *Materials Today: Proceedings*, 2020, 23, 211-220.

3. **Gangadhar Babaladimath** and Vishalakshi B. Silver Nanocomposite Hydrogel of Gum ghatti with potential Antibacterial Property**,** *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 2019, 56, 952-959. (IF-2.216)

4. Sharanappa C., Ambalgi A.P., **Gangadhar Babaladimath**, Gellan gum based silver nanocomposite hydrogel: Preparation, characterisation and anti-bacterial study, *Materials Today: Proceedings*, 2019, 18, 3937-3945.

5. **Gangadhar Babaladimath** and Vishalakshi B., Silver Nanoparticles Embedded Pectin based Hydrogel: Novel Adsorbent Material for Separation of Dyes, *Polymer bulletin*, 2019, 76, 4215-4236. (IF-2.843)

6. **Gangadhar Babaladimath,** Vishalakshi B. and Nandibewoor S. T., Electrical conducting Xanthan Gum-graft-polyaniline as corrosion inhibitor for aluminum in hydrochloric acid environment, *Materials Chemistry and Physics*, 2018, 2015, 171-179. (IF-4.094)

7. **Gangadhar Babaladimath** and Vishalakshi B., Magnetic Nanoparticles Embedded Pectin-Based graft Hydrogel for Controlled Release of Diclofenac Sodium, *Polymer international*, 2018, 67, 983-992. (IF-3.213)

8. **Gangadhar Babaladimath** and Sharanappa Chapi. Microwave-assisted Synthesis, Characterization of Electrical Conducting and Electrochemical Xanthan Gum-graft-Polyaniline, *Journal of Material Science, Materials in Electronics*, 29, 2018, 11159-11166. (IF-2.870)

9. **Gangadhar Bababladimath** and Vishalakshi B. Pectin-graft-poly(2-acrylamido-2-methylpropane sulfonic acid) silver nanocomposite hydrogel beads: Evaluation as matrix material for sustained release formulations of Ketoprofenand antibacterial assay, *Journal of Polymer Research*, 2018, 25, 202. (IF-3.610)

10. **Gangadhar Babaladimath** and Vishalakshi B., Silver nanoparticles embedded Gum ghatti-graft-Poly(N,N-dimethylacrylamide) biodegradable hydrogel: Evaluation as matrix for controlled release of 2,4-dichlorophenoxyacetic acid, *Journal of Polymer Research*, 2017, 24, 155. (IF-3.610)

11. Swaroop Kumaraswamy, **Gangadhar Babaladimath**, Vishalakshi Badalamoole, Somashekarappa H Mallaiah Gamma irradiation synthesis and in vitro drug release studies of ZnO/PVA hydrogel nanocomposites, *Advanced Materials Letters*, 2017, 8, 2-7. (IF-1.15).

Presented in National and International Conferences :

1. The paper entitled "*Preparation, Characterization and Diclofenac sodium drug release application of Gellan gum-graft-poly(2-acrylamido-2-methylpropane sulfonic acid) magnetic nanocomposite Hydrogel*", **Gangadhar B**. and Sharanappa Chapi presented at "Indo-South Korea International e-Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2021)", held in Vinayaka Mission's Kirupananda Variyar Arts and Science College, Salem, Tamil Nadu, during 7th to 8th October 2021.
2. The paper entitled "*Sugarcane bagasse valorized superabsorbent graft copolymer for efficient deposition of crystal violet and indigo carmine dyes from aqueous solutions*", **Gangadhar B**. was presented at "International Conference on Emerging Technologies in Water, Wastewater Treatment and Solid Waste Management (ETWM-21)", held in GIT, Belagavi during 18th to 20th March 2021.
3. The paper entitled "*Microwave-Assisted Synthesis Characterization and Electrochemical Studies of Xanthan Gum-Graft-Polyaniline*", **Gangadhar B**. was presented at "National Conference on Technical and Socio-economic Transformations of robotics and automations in food technology and Chemical Sciences", held in Jain University, Bengaluru, Karnataka during 25th November, 2020.
4. The paper entitled "*Stimuli Responsive Tragacanth Gum-Based Grafted Silver Nanocomposite Hydrogel for Sustained Release Formulations of Diclofenac Sodium*" **Gangadhar B**. was presented at International Conference on Advances in Materials Science (Online) (ICAMS - 2020) Post – Graduate Department of Physics and IQAC of Raje Ramrao Mahavidyalaya, Jath – 416 404, Dist – Sangli, Maharashtra, India on 06th – 07th June 2020
5. The paper entitled "*Pectin-graft-poly(2-Acrylamido-2-methylpropane sulfonic acid) silver nanocomposite gel beads: Preparation, Characterization and evaluation as matrix for controlled release dichlofenac sodium*", **Gangadhar B**. was presented at International Conference on Materials and Environmental Science (ICMES-2018) held in Shivaji University, Kolhapur, Maharastra during 7th & 8th December, 2018.
6. The paper entitled " An Electrochemical Behaviour of PANI and Xanthan gum –graft-Polyaniline", **Gangadhar B**. was presented at National Conference on Instrumental Methods of Analysis held at KLE Society's, JagadguruTontadarya College, Gadag- Betageri, Karnataka on 29th September 2018.
7. The paper entitled "*Silver nano-particles embedded Pectin-graft-Poly(2-Acrylamido-2-methylpropane sulfonic acid) Hydrogel: Evaluation as adsorbent material for cationic dye"*, **Gangadhar B**. and Vishalakshi B. was presented at International conference on 'Nano-Technology: The Fruition of Science' (ICON-17) held during 15th & 16th February 2017 at Marthandam, (Nesamony Memorial Christian College, Kanyakumari).
8. The paper entitled *Magnetic nanoparticles embedded pectin-based hydrogel for controlled release of dichlofenac sodium*, **Gangadhar B**. and Vishalakshi B. was presented at 5th International conference of Indian council of chemistry held during 7th-9th June, 2017 at Bali, Indonesia.
9. The paper entitled *Microwave Assisted synthesis and characterization of Biodegradable Gum Ghatti-g-poly(N,N-dimethylacrylamide)-Ag nano hydrogel*. **Gangadhar B**. and Vishalakshi B. was presented at International conference on 'Smart matrials and technologies for emerging

electronics' (IC-SMTEE-2016) held during 19-20 February 2016 at Sahyadri College of Engineering Mangalore.

10. The paper entitled *Polysaccharide based nanocomposite Hydrogel: Agricultural and Industrial Applications*, **Gangadhar B**. Arun Krishna K. and Vishalakshi B. was presented at International conference on 'Advance Materials & Technology' (ICMAT-16) held during 26-28 May 2016 at SJCE Mysuru.
11. The paper entitled *Synthesis and Characterization of Gum gatti grafted hydrogel loaded with Silver nano-particles*. **Gangadhar B**. and Vishalakshi B. was presented at National seminar and workshop on 'Functional nano materials for energy, environment and health' (FuNEH2016) held on 21-22 March 2016 at Mangalore University, Mangalore.
12. The paper entitled "*Gum Gatti-graft-poly(N,N-dimethylacrylamide): Microwave Assisted Synthesis and Evaluation as Matrix for Controlled Release of Herbicide*' **Gangadhar B** and Vishalakshi B. was presented at Fourth International Conference on Natural Polymers and Biomaterials (ICNP-2015) held in Mahathma Gandhi University, Kottayam, Kerala during 10^{th} – 12^{th} April, 2015.
13. Presented in a National level seminar on 'Recent Advances in Chemical Sciences' (RACS-15)' organized by St. Agnes College (Autonomous) Mangalore on December 17 & 18 2015.
14. The paper entitled "Microwave synthesis and characterization of electric conducting graft copolymers' **Gangadhar B** and Vishalakshi B. was presented at International Conference on Chemistry and Materials (ICCM-2014) held in Bharathidasan Institute of Techology, Tiruchinapalli, TN during 14^{th} – 15^{th} November, 2014.

Knowledge of Scientific Instruments:

a. Attinuated Total Reflection –Fourier Transform-Infrared (ATR-FTIR)
b. UV-Visible (UV-vis) Spectrophotometer
c. Cyclic Voltmmeter
d. TGA / DSC / DTA
e. Spectrophotometry
f. Drug dissolution tester

I declare that the above information furnished is true to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Yours Truly

Dr. Gangadhar B