

CURRICULUM VITAE

Dr. Karthika J.S.

Assistant Professor & Co-ordinator

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Chemistry

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Academic Profile:

Course	Name of College / University	Passed Year	Aggregate	Class
Ph.D	Mangalore University	2016		Awarded
PhD-Course work (Chemistry)	Mangalore University	2012	7.5(Grade point)	Distinction
M.Sc. (Chemistry)	Mangalore University	2010	66.4	First
B.Sc	Alvas college Modabidri	2008	82.3	Distinction
PUC	Sri Satya sai Lokaseva college Alike	2005	81.2	First
SSLC	Sri Seetharaghava High School Pernaje	2003	88.5	Distinction

Teaching Experience:

Four years teaching experience of theory classes and practical lab of M.Sc. students at Mangalore University, Mangalagangothri, since August 2010 to August 2014. Two and half years in Govinda Dasa College, Surathkal. (2015 August-). Total experience-6 years and 6 months.

Courses Taught:

- Physical chemistry theory comprising of Chemical kinetics and Electrochemistry
- Physical chemistry lab

- ‘Computer for chemists’ theory and lab

Computer skills

- Origin software
- Chemskech
- IR software
- MS-Office

List of Research papers

1. Karthika, J. S., & Vishalakshi, B. (2015). Gellan gum-graft-polyaniline-An electrical conducting biopolymer. *International Journal of Biological Macromolecules*, **82**, 61-67. (Elsevier-Impact factor-3.5)
2. Karthika, J. S., & Vishalakshi, B. (2015). Novel stimuli responsive gellan gum-graft-poly(DMAEMA) hydrogel as adsorbent for anionic dye. *International Journal of Biological Macromolecules*, **81**, 648-655. (Elsevier-Impact factor-3.5)
3. Karthika, J. S., & Vishalakshi, B. (2014). Microwave assisted synthesis and characterization of poly (itaconic acid) grafted gellan gum. *International Journal of Polymer Analysis and Characterization.*, **19**, 95–106. (Taylor and Francis- IF-1.5)
4. Karthika, J. S., & Vishalakshi, B. (2014). Microwave assisted synthesis and characterization of poly (2-dimethyl aminoethyl ethacrylate) grafted gellan gum” *International Journal of Polymer Analysis and characterization*,**19**, 709-720. (Taylor and Francis- IF-1.5)
5. Karthika, J. S., & Vishalakshi, B. (2013). Synthesis, swelling behaviour, salt- and pH-sensitivity of crosslinked gellan gum- graft-poly (acrylamide-co-itaconic acid) hydrogels *Der Pharma Chemica.*, **5**, 185-192.
6. Karthika, J.S., & Vishalakshi, B. (2014).pH responsive gels of Gellan Gum and Carboxymethylcellulose: Matrix for Ketoprofen Delivery. *International journal of Chemtech research.*, **6**, 1055-1069.
7. Mithun U., Vishalakshi, B. & Karthika J.S. Preparation and characterization of polyelectrolyte complex of N,N,N-trimethyl chitosan/gellan gum: evaluation for controlled release of ketoprofen. *Iranian polymer journal*, DOI: 10.1007/s13726-016-0425-9. Springer (IF-1.8)

Papers presented in National/ International conferences

1. The paper entitled “Gellan gum/CMC based hydrogels: As a matrix for release of Paracetamol” was presented in “**International Conference on Recent Advances in Material Science and Technology (ICRAMST-2013)**” held at NITK Surathkal on 17-19th January, 2013.

2. The paper entitled “Synthesis of pH and Temperature Responsive Gellan gum-g-poly (DMAEMA) hydrogels: Evaluation for removal of dyes” was presented in “**XXXII Annual Conference 2013**” of **Indian Council of Chemists** held at Department of Studies in Chemistry, Karnatak University, Dharwad on 28-30th November, 2013.
3. The paper entitled “Microwave-assisted synthesis of conducting gellan gum-graft-polyaniline” was presented at **3rd International Conference of Indian Council of Chemists** on “**Chemistry for sustainable development: Indian perspective,**” held in Dubai & Abudabi on 10-14th June, 2014.
4. The paper entitled “Dielectric properties of Gellan gum graft polyaniline was presented at “**National Conference on Current Trends in Scientific Research For Engineering Applications [NCSEA-2014]**” held at the Department of Science, St. Joseph Engineering College, Vamanjoor Mangalore on 17-18th July, 2014.

Participation in National / International conferences / Seminar / Workshops

- ❖ Participated in 3 days “**International Conference on Frontiers in Chemical Research (ICFCR-2008)**” held in the Department of Chemistry, Mangalore University on 29-31st December 2008.
- ❖ Participated in 3 days “**International Conference on Recent Advances in Industrial Electrochemical Science and Technology (ICRAIEST-2009)**” held in the Department of Chemistry, Mangalore University on 5-7th November, 2009.
- ❖ Participated in 3 days “**International Conference on synthetic and structural chemistry (ICSSC-2011)**” held in the Department of Chemistry, Mangalore University on 8-10th December, 2011.
- ❖ Participated in UGC sponsored 2 day National seminar on “**Expanding Frontiers of Chemistry**” held in Vijaya College, Mulki, on 15th & 16th December 2011.
- ❖ Participated in one day “**National symposium on Recent Advances in Chemical Science (NSRACS-2013)**” held in the Department of Chemistry, Mangalore University, on 30th April 2013.

Professional affiliations:

- ❖ Life member of ‘**Indian Council of Chemists (ICC)**’ - (Life Fellow Number - 1705)
- ❖ Life member of ‘**The Society for Polymer Science, India (SPS)**’ (Life Membership Number- PUN 354)

Personal Profile:

Name : Karthika J.S.
 Father Name : J. Sadashiva Bhat

Marital Status : Married
Date of Birth : 16-02-1988
Permanent Address : Karthika. J.S.
'Sai krupa House',
Jogibettu, Sullia Tq,
D.K-574212
Nationality / Sex : Indian / Male
Languages Known : English, Kannada