

BIO-DATA



A) PERSONAL DATA

1. Name : Dr. Saraswati P. Masti
2. Mailing Address : Assistant Professor
Department of Chemistry
Karnatak Science College, Dharwad - 580 001.
- Mobile : +91-9980556298
- e-mail : dr.saraswatimasti@yahoo.com
- Fax : +91-836-2744334
3. Date of Birth : 05-06-1976
4. Teaching Experience : Guest faculty : 3 years
Assistant Professor : 14 years
Associate Professor : 2 year
5. Research Interests : Drug Analysis, Polymer composites,
Polymer Blends
- Citations : 519
 - h- Index : 15
 - i10- Index : 19

B) ACADEMIC QUALIFICATIONS

6. M.Sc., (Inorganic Chemistry) : Karnatak University, Dharwad, Karnataka
7. Ph.D. (Chemistry) : Karnatak University, Dharwad, Karnataka

C) PROFESSIONAL DATA

Period	Designation	College/University
31-01-2021 To date	Associate Professor	Department of Chemistry Karnatak Science College, Dharwad, Karnataka.

20-01-2012 To 30-01-2021 (10 Years)	Assistant Professor	Department of Chemistry Karnatak Science College, Dharwad, Karnataka.
22-10-2011 To 19-01-2012 (3 Months)	Assistant Professor (formerly Lecturer)	Department of Chemistry Govt. Arts and Science College, Karwar, Karnataka.
23-10-2006 To 21-10-2011 (5 Year)	Assistant Professor (formerly Lecturer)	Department of Chemistry Mangalore University Mangalgangotri, Mangalore
25-07-2006 To 22-10-2006 (3 Months)	Assistant Professor (formerly Lecturer)	Department of Chemistry Govt. Arts and Science College, Karwar, Karnataka.
2003 to 2006 (3 Years)	Guest Faculty	Department of Chemistry Mangalore University Mangalgangotri, Mangalore

D) RESEARCH PUBLICATIONS DURING Ph.D. PERIOD

1. M.B.Melavanki, J. Seethramappa, **S. P. Masti**, *Spectrophotometric determination of Vanadium (V) in minerals, steels, soil and biological samples using Phenothiazine derivative*, **Analytical Sciences (Japan)**, 17, 979-982, 2001.
2. M.B.Melavanki, J. Seethramappa, **S. P. Masti**, *Spectrophotometric determination of Molybdenum (VI) using isothiopyridyl hydrochloride and pipazethate hydrochloride in alloy steels and soil samples*, **Analytical Sciences (Japan)**, 17, 1121-1123, 2001.
3. **S. P. Masti**, J. Seethramappa, M.B.Melavanki, *Spectrophotometric determination of Cerium (IV) using phenothiazine derivative*, **Analytical Sciences (Japan)**, 18, 167-169, 2002.
4. M.B.Melavanki, **S. P. Masti**, Jaladappa Seethramappa, *Determination of trace amount of Gold (III) using ethopropazine hydrochloride and isothiopyridyl hydrochloride: A spectrophotometric study*, **Turkish Journal of Chemistry**, 26, 17-22, 2002.

5. A.G. Sajjan, J. Seethramappa, **S. P. Masti**, *Spectrophotometric determinations of propranolol hydrochloride in pharmaceutical preparation*, **Indian Journal of Pharmaceutical Sciences**, 64, 68-70, 2002.
6. **S. P. Masti**, J. Seethramappa, M.B.Melavanki, *Extractive spectrophotometric determination Tungsten (VI) in alloy steel using ethopropazine hydrochloride*, **Analytical Sciences (Japan)**, 18, 913-915, 2001.
7. M.B. Melavanki, J. Seethramappa, **S. P. Masti**, *Spectrophotometric determination of Iron (II) in ore, pharmaceutical formulations, plant materials and food stuff using piroxicam*, **Indian Journal of Chemistry**, 42A, 576-578, 2003.

E) RESEARCH WORK (PUBLICATIONS) AFTER Ph.D. PERIOD

IN INTERNATIONAL CONFERENCE

1. **Saraswati Masti**, J. Seetharamappa, Ravindra B. Chougale, *Spectrophotometric Determination of Iron (III) In Ore, Pharmaceutical Formulations, Plant Materials and food stuff using Propranolol hydrochloride*, **International Conference on Frontiers In Chemical Research (ICFCR - 2008)**, 29-31 December 2008, Department of Chemistry, Mangalore University, Mangalgangotri, Mangalore. India.
2. Ravindra Chougale, **Saraswati Masti**, Bhagyavana Mudigoudra, Rajashekhar Bhajantri, *Mechanical Properties of Ternary Polymer PVC/PVAc/PEG Blend Films*, **International Conference on Synthetic and Structural Chemistry, ICSSC-2011**, December 8-10, 2011, Department of Chemistry, Mangalore University, Mangalgangotri, Mangalore, India.
3. **Saraswati Masti**, Ravindra Chougale, Bhagyavana Mudigoudra, Rajashekhar Bhajantri, *Mechanical Properties of Ternary Polymer PVP/CS/PVA Blend Film*, **International Conference on Synthetic and Structural Chemistry, ICSSC-2011**, December 8-10, 2011, Department of Chemistry, Mangalore University, Mangalgangotri, Mangalore, India.
4. **Saraswati Masti**, Bhagyavana Mudigoudra, Ravindra Chougale, *Mechanical Properties of Poly (vinyl chloride)/Poly (ethylene glycol) Polymer Blend Films*, **International Conference on Physics**

- of Materials and Materials Based Device Fabrication (ICPM-MDF-2012)**, 17 to 19th January, 2012, Department of Physics, Shivaji University, Kolhapur, Maharashtra, India.
5. Ravindra Chougale, Rajashekhar Bhajantri, **Saraswati Masti**, *Mechanical Properties of Gum Acacia (GA) Doped Chitosan(CS)/Poly(vinyl alcohol) (PVA) Blend Film*, **International Conference on Physics of Materials and Materials Based Device Fabrication (ICPM-MDF-2012)**, 17 to 19th January, 2012, Department of Physics, Shivaji University, Kolhapur, Maharashtra, India.
 6. **Saraswati Masti**, Ravindra Chougale, Deepak Kasai, *Study of Mechanical and Thermal properties of Ternary Blend films Containing PVA/Chitosan/Guar Gum*, **52nd Annual Convention of Chemists-2015**, 28-30 December 2015, JECRC University, Jaipur-30905, Rajasthan, India.
 7. **Saraswati Masti**, Ravindra Chougale, Deepak Kasai, Shivayogi S Narasagoudr, *Morphology and Tensile properties of Chitosan/Vanillin Blend Films*, **6th International Science congress (ISC-2016)**, 8th and 9th December 2016, Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune, Maharashtra, India.
 8. Shivayogi S Narasagoudr, **Saraswati Masti**, Ravindra Chougale, Deepak Kasai, Bhagyvana Mudigoudra, **Scanning Electron Microscopy (SEM) Study of Chitosan Doped PVA/PVP**, **6th International Science congress (ISC-2016)**, 8th and 9th December 2016, Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune, Maharashtra, India.
 9. Ravindra Chougale, **Saraswati Masti**, Deepak Kasai, **Preparation and Characterization of Equal Weight Percent of Guar Gum and Pepper Leaves Extract Doped PVA Blend Films**, **6th International Science congress (ISC-2016)**, 8th and 9th December 2016, Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune, Maharashtra, India.
 10. Shivayogi S Narasagoudr, **Saraswati Masti***, Ravindra Chougale, Veena Hegade, *Influence of Moringa Extract on Mechanical Properties of Poly(vinyl alcohol)/Chitosan/Guar Gum blend films*, in **Recent Trends in Biotechnology (RTBT)-2018** at Karnataka Science College, Dharwad during 23rd and 24th February 2018.
 11. **Saraswati Masti**, Shivayogi S Narasagoudr, Ravindra Chougale, Veena Hegde, *Mechanical Properties of Poly (vinyl alcohol)/Chitosan/Guar Gum Ternary Blend Films* in **Recent Trends in Biotechnology (RTBT)-2018**, at Karnataka Science College, Dharwad during 23rd and 24th February 2018.

12. Veena Hegde, **Saraswati Masti**, Shivayogi S Narasagoudr, Ravindra Chougale, *Effect of EDTA on Mechanical Properties of Ternary Blend Films Containing Poly (vinyl alcohol)/Chitosan/Guar Gum* in **Recent Trends in Biotechnology (RTBT)-2018** at Karnataka Science College, Dharwad during 23rd and 24th February 2018.
13. **Saraswati Masti**, *Thermal and Mechanical study of Moringa leaves Extract doped Poly(vinyl alcohol)/Chitosan/Guar Gum blend films* in **International Conference on Direct Digital Manufacturing and Polymer (ICDDMAP)**, Karnatak University, Dharwad-03, Karnataka, India during 20th to 23rd February 2019.
14. Shivayogi S Narasagoudr, **Saraswati Masti**, *Study of Thermal degradation and Kinetic Parameters of Poly (vinyl alcohol)/Boswellic acid Composite Films* in **“International Conference on Direct Digital Manufacturing and Polymers (ICDDMAP)”** organized by Department of Studies in Chemistry, Karnataka University, Dharwad during 20-24th February 2019.
15. Veena Hegde, **Saraswati Masti**, Shivayogi S Narasagoudr, Ravindra Chougale, *Influence of Hydroxy Citric acid on the Thermal and Mechanical Properties of PVA/Chitosan/Guar gum blend films* in **“International Conference on Direct Digital Manufacturing and Polymers (ICDDMAP)”** organized by Department of Studies in Chemistry, Karnataka University, Dharwad during 20-24th February 2019.
16. Shivayogi S Narasagoudr, **Saraswati Masti**, *Preparation and Characterization of Hydroxy Citric Acid Crosslinked PVA/Chitosan/Guar Gum Blend Films* in **9th International Science Congress” (ISC-2019)** held at Bhilai Institute of Technology, Durg, Chhattisgarh, India on 8th - 9th December 2019.
17. **Saraswati Masti**, *Effect of Potassium Sorbate on Ternary Blend Films Containing Chitosan/Poly (vinyl alcohol)/Ethyl vanillin* in **9th International Science Congress” (ISC-2019)** held at Bhilai Institute of Technology, Durg, Chhattisgarh, India on 8th - 9th December 2019.
18. Veena G Bhat, Shivayogi S Narasagoudr, **Saraswati Masti**, *Effect of Plasticizer and Crosslinking agent on Thermal and Mechanical Properties of ZnO Nano composites,*

International Webinar on Recent Innovations in Chemical Sciences-2020 (IWRICS), held at Department of Chemistry in association with IQAC Karnatak Science College, Dharwad, 4th & 5th Dec. 2020.

19. Nagaraj Gouda, Ravindra B. Chougale, Saraswati P. Masti, *Tetra hydro derivatives of Curcumin: Novel synthetic approach for preparation of PVA: Chitosan doped blend films*, **International Webinar on Recent Innovations in Chemical Sciences-2020 (IWRICS)**, held at Department of Chemistry in association with IQAC Karnatak Science College, Dharwad, 4th & 5th Dec. 2020.
20. Saraswati P. Masti, *Cetrimide incorporated PVA/ ZnO nanocomposites films with antimicrobial activity for active food packaging*, **International Conference on Technologies For Smart Green Connected Societies2021 November 29-30, 2021(Online)**, held at Yamagata University, Japan.

IN NATIONAL CONFERENCE

1. **Saraswati Masti**, J. Seetharamappa, *Spectrophotometric Determination of Gold (III) using Propionyl Promazine Phosphate*, **19th Conference of Indian Council of Chemists**, 27th to 29th November 2000, Department of Chemistry, Kuvempu University, Shimoga, Karnatak, India.
2. Ravindra Chougale, **Saraswati Masti**, Bhagyvana Mudigoudra, *Mechanical Properties of Ternary Polymer Blends*, National Conference on Chemistry of Materials NCCM-2011, 28th September 2011, Centre for Advanced Materials, Tumkur University, Tumkur, Karnatak, India.
3. **Saraswati Masti**, Bhagyvana Mudigoudra, Ravindra Chougale, *Mechanical Properties of Binary Polymer Blends*, National Conference on Chemistry of Materials NCCM-2011, 28th September 2011, Centre for Advanced Materials, Tumkur University, Tumkur, Karnatak, India
4. **Saraswati Masti**, Ravindra Chougale, Deepak Kasai, Shivayogi S Narasagoudr, *Thermal Stability of Ternary Blend Films Containing Poly (vinyl alcohol)/Chitosan/Papain*, **UGC Sponsored One Day State Level Seminar-2017**, 20th January 2017, P. C. Jabin Science College, Department of Chemistry, Vidyanagar, Hubballi, Karnatak, India.
5. Ravindra Chougale, **Saraswati Masti**, Bhagyvana Mudigoudra, Shivayogi S Narasagoudr, *Investigation and Study of Papain Doped Phase Morphological Poly (vinyl*

alcohol)/Chitosan Blend Films, **UGC Sponsored One Day State Level Seminar-2017**, 20th January 2017, P. C. Jabin Science College, Department of Chemistry, Vidyanagar, Hubballi, Karnatak, India.

6. Shivayogi S Narasagoudr, **Saraswati Masti**, Ravindra Chougale, Deepak Kasai, *Investigation of Thermal and Mechanical Properties Poly (vinyl alcohol)/Chitosan/Guar Gum Ternary Blend Films*, **National Conference on Emerging Trends in Applied Sciences, ETAS-17**, May 17th & 18th – 2017.
7. Veena G Hegde, Shivayogi S Narasagoudr, Ravindra Chougale, **Saraswati Masti**, *Mechanical and Hydro dynamic Properties of PVA/Cetrimide/ZnO Nanocomposite Films*, **National Conference on Innovations in Chemical Sciences(NCICS-2020)**, held at Karnataka Science and Technology Academy DST, Govt. of Karnataka ,Bengaluru & University of Mysore, Department of Studies in Chemistry, Manasagangotri, Mysuru.

IN PROCEEDINGS

1. Ravindra Chougale, **Saraswati Masti**, *Thermal Properties of Chitosan/Poly (vinyl alcohol)/Poly (vinyl pyrrolidone) Ternary Polymer Blend Films*, International Conference on Advanced materials ICAM 2012, January 5-7, 2012, Department of Physics, Loyola college, Chennai, India.
2. Deepak Kasai, **Saraswati Masti**, Ramesh Gani, Raju Chalannavar, Ravindra Chougale*, *Progammme and Book of Abstract Evaluation of Multifunctional Properties of Chitosan/Guar gum/Vanillin for Food Packaging Applications*, Second International Conference on Composites, Biocomposites and Nanocomposites, 28th to 30th October-2015, **CRG Publishers** Durban University of Technology, Durban, South Africa.
3. Deepak Kasai, Ravindra Chougale*, **Saraswati Masti**, Shivayogi S. Narasagoudr, *AIP Conf. Proc. 1953, 030226-1-030226-4;https://doi.org/10.1036/1.5032561 Thermal Degradation of Ternary Blend Films Containg PVA/Chitosan/Vanillin* Second International Conference on Condensed Matter and Applied Physics(ICC-2017) Published by AIP Publishing 978-0-7354-1648-2/ \$30.000. 30226-1.

RESEARCH PAPERS

1. Mahaveer B Melwanki, Jaldappa Seetharamappa, Saraswati P Masti, *Spectrophotometric determination of vanadium (V) in minerals, steels, soil and biological samples using phenothiazine derivatives*, **Analytical sciences**, August, 2001.
<https://doi.org/10.2116/analsci.17.979>
2. Mahaveer B Melwanki, Jaldappa Seetharamappa, Saraswati P Masti, *Spectrophotometric determination of molybdenum (VI) using isothipendyl hydrochloride and pipazethate hydrochloride in alloy steels and soil samples*, **Analytical sciences**, September, 2001.
<https://doi.org/10.2116/analsci.17.1121>
3. Saraswati P Masti, Jaldappa Seetharamappa, Mahaveer B Melwanki, Noboru Motohashi, *Spectrophotometric determination of cerium (IV) using a phenothiazine derivative*, **Analytical sciences**, February, 2002. <https://doi.org/10.2116/analsci.18.167>
4. Aparna G Sajjan, J Seetharamappa, Saraswati P Masti, *Spectrophotometric Determination Of Propranolol Hydrochloride In Phramaceutical Preparations*, **Indian journal of pharmaceutical sciences**, 2002.
5. Saraswati P Masti, Jaldappa Seetharamappa, Mahaveer B Melwanki, *Extractive spectrophotometric determination of tungsten (VI) in alloy steels using ethopropazine hydrochloride*, **Analytical sciences**, August, 2002.
<https://doi.org/10.2116/analsci.18.913>
6. Mahaveer B Melwanki, Saraswati P Masti, Jaldappa Seetharamappa, *Determination of trace amounts of gold (III) using ethopropazine hydrochloride and isothipendyl hydrochloride: a spectrophotometric study*, **Turkish Journal of chemistry**, 2002.
7. Bhagyvana Mudigoudra, **Saraswati Masti**, Ravindra Chougale., *Investigation of Mechanical Properties of Ternary Polymer PVC/PVAc/PEG Blended Films*, **Research Journal of Engineering Sciences**, August, 2012.
8. Bhagyvana Mudigoudra, **Saraswati Masti**, Ravindra Chougale *Thermal Behavior of Poly(vinylalcohol)/Poly (vinyl pyrrolidone)/Chitosan Ternary Polymer Blend Films*, **Research Journal of Recent Sciences**, September, 2012.

9. Ravindra Chougale, **Saraswati Masti**, Bhagyvana Mudigoudra, *Investigation of Morphological and mechanical behavior of poly(vinyl alcohol)/chitosan/papain ternary blend films*, **International Research Journal of Environment Sciences**, **April, 2013**.
10. **Saraswati Masti**, Ravindra Chougale, *Influence of Polymeric Plasticizer on Mechanical Properties of Poly (vinyl chloride) films*, **Research and Reviews: Journal of Pure and Applied Physics**, **2013**.
11. **Saraswati Masti**, Ravindra Chougale, *Influence of Poly(vinylpyrrolidone) on Binary blend films made from Poly (vinyl chloride) / Chitosan*, **International Research Journal of Environment Sciences**, **March, 2014**.
12. Ravindra Chougale, Deepak Kasai, **Saraswati Masti**, Prakash Dubey, *Effect of Guar Gum on Mechanical and Morphological Behavior of Chitosan Films*, **Research Journal of Material Sciences**, **February, 2015**.
13. Deepak Kasai, **Masti Saraswati**, Chougale Ravindra, Ramesh Gani, *Preparation and Characterization of Binary Blend Films Containing Chitosan and Vanillin*, **American Journal of Advanced Drug Delivery**, **April, 2015**.
14. Ravindra Chougale, **Masti Saraswati**, Gouda Sukanya, Patil Shivalila, Yakkerimath Soumya, Kasai Deepak, *Tensile and Thermal properties of Poly(vinylpyrrolidone) / Vanillin incorporated Poly(vinyl alcohol) Films*, **Research Journal of Physical Sciences**, **October, 2015**.
15. Ravindra Chougale, Deepak Kasai, **Saraswati Masti** and Bhagyavana Mudigoudra, *Effect of Gum Acacia (GA) on Tensile Properties of Biodegradable Chitosan (CA)/Poly (vinyl alcohol) (PVA) Polymer Blend Films*, **Research Journal of Material Sciences**, **June, 2016**.
16. Ravindra B. Melabadi, Raju K. Chalannavar, Raquel M. Gleiser, Neelambika T. Meti, Sudabattula Vijayakumar, Gangadhar S. Mulgund, **Saraswati Masti**, Ravindra Chougale, Ramesh Gani, Bharati Odhav and Himansu, . *Ebola Virus; Updates on Plant Made Vaccine Development*, **International Journal of Research and Scientific Innovation (IJRSI)**, **June, 2016**.
17. Ravindra B. Melabadi, Raju K. Chalannavar, Raquel M. Gleiser, Neelambika T. Meti, Sudabattula VijayaKumar, Gangadhar S. Mulgund, **Saraswati Masti**, Ravindra Chougale, Ramesh Gani, Bharati Odhav, K. Sowmyashree, S. Supriya, B.R. Nityasree

- and Divakar, *Insulin Plant, Costus speciosus: Ethnobotany and Pharmacological Updates*, **International Journal of Current Research in Biosciences and Plant Biology**, July, 2016.
18. Ravindra Chougale, Deepak Kasai, **Saraswati Masti**, *Preparation and Evaluation of Surface Morphology and Swelling Behavior of Ternary Blend films*, **Journal of Chemical and Pharmaceutical Research**, 2016.
 19. Ramesh S Gani, Raju K. Chalannavar, **Saraswati Masti**, Ravindra Chougale, Deepak Kasai, Karabasanagouda T, Shwetha Kumari MP, Ravindra B Malabadi, *Chemo Selective Synthesis and Evaluation of Antimicrobial Activity of Novel 5-hydroxyindole Derivatives*, **Der Pharmacia Sinica**, 2017.
 20. Ravindra Chougale, Deepak Kasai, **Saraswati Masti**, Bhagyavana Mudigoudra, *Influence of Gum Gatti on Morphological and Mechanical Properties of Poly(vinyl alcohol)/Poly(vinyl pyrrolidone) Blend Films*, **Der Pharmacia Chemica**, 2018.
 21. D Kasai, R Chougale, **S Masti**, R Chalannavar, RB Malabadi, R Gani, *Influence of Syzygium cumini leaves extract on morphological, thermal, mechanical, and antimicrobial properties of PVA and PVA/chitosan blend films*, **Journal of Applied Polymer Science**, 2018. <https://doi.org/10.1002/app.46188>
 22. SS Devangamath, B Lobo, **SP Masti**, S Narasagoudr, *Mechanical and dynamic mechanical studies on epoxy-cobaltous sulfate polymer hybrids*, **Fibers and Polymers**, 2018. <http://doi.org/10.1007/s12221-018-8031-4>
 23. D Kasai, R Chougale, **S Masti**, S Narasagoudr, *Thermal degradation of ternary blend films containing PVA/chitosan/vanillin*. **AIP Conference Proceedings**, 2018. <https://doi.org/10.1063/1.5032561>
 24. D Kasai, R Chougale, S Masti, R Chalannavar, RB Malabadi, R Gani, G Gouripur, *An Investigation into the Influence of Filler Piper nigrum Leaves Extract on Physicochemical and Antimicrobial Properties of Chitosan/Poly (Vinyl Alcohol) Blend Films*, **Journal of Polymers and the Environment**, 2019. <https://doi/10.1007/s10924-018-1353-x>
 25. V Hebbar, HB Ravikumar, M Nandimath, **S Masti**, LM Munirathnamma, J Naik, RF Bajantri, *Conductivity and free volume studies on bismuth sulfide/PVA: polypyrrole nanocomposites*, **Indian Journal of Physics**, 2019. [DOI: 10.1007/s12648-018-1280-7](https://doi.org/10.1007/s12648-018-1280-7)

26. R Chougale, D Kasai, S Nayak, **S Masti**, A Nasalapure, AV Raghu, *Design of eco-friendly PVA/TiO₂-based nanocomposites and their antifungal activity study*, **Green Materials**, 2019. <https://doi.org/10.1680/jgrma.19.00002>
27. VN Vanjeri, N Goudar, D Kasai, **SP Masti**, RB Chougale, *Thermal and tensile properties study of 4-Hydroxycoumarin doped Polyvinyl alcohol/Chitosan blend films*, **Chemical Data Collections**, 2019. <https://doi.org/10.1016/j.cdc.2019.100257>
28. SS Narasagoudr, VG Hegde, VN Vanjeri, RB Chougale, SP Masti, *Ethyl vanillin incorporated chitosan/poly (vinyl alcohol) active films for food packaging applications*, **Carbohydrate Polymers**, 2020. <https://doi.org/10.1016/j.carbpol.2020.116049>
29. SS Narasagoudr, VG Hegde, RB Chougale, SP Masti, S Dixit, *Influence of boswellic acid on multifunctional properties of chitosan/poly (vinyl alcohol) films for active food packaging*, **International Journal of Biological Macromolecules**, 2020. <http://dx.doi.org/10.1016/j.ijbiomac.2020.03.073>
30. S S Narasagoudr, V G Hegde, R B Chougale, S P Masti, Ravindra B Malabadi, *Physico-chemical and functional properties of rutin induced chitosan/poly (vinyl alcohol) bioactive films for food packaging applications*, **Food Hydrocolloids**, 2020. <https://doi.org/10.1016/j.foodhyd.2020.106096>
31. SS Narasagoudr, VG Hegde, VN Vanjeri, RB Chougale, **SP Masti**, *Influence of Boswellic acid on Physical, Structural and Morphological Properties of Poly (vinyl alcohol) Films*, **Chemical Data Collections**, 2020. <https://doi.org/10.1016/j.cdc.2020.100370>
32. SS Devangamath, B Lobo, **SP Masti**, S Narasagoudr, *Thermal, mechanical, and AC electrical studies of PVA–PEG–Ag₂S polymer hybrid material*, **Journal of Materials Science: Materials in Electronics**, 2020. <https://doi.org/10.1007/s10854-019-02835-3>
33. N Goudar, VN Vanjeri, **SP Masti**, RB Chougale, *Spathodea campanulata bud fluid reinforced mechanical, hydrophilicity and degradation studies of poly (vinyl alcohol) matrix*, **SN Applied Sciences**, 2020. <https://doi.org/10.1007/s42452-020-2413-0>
34. Goudar, Naganagouda, Vanjeri Vinayak N, Dixit Shruti, Hiremani Vishram, Sataraddi Sarala, Gasti Tilak, Vootla Shyam Kumar, **Masti Saraswati P**, Chougale Ravindra B, *Evaluation of multifunctional properties of gallic acid crosslinked Poly (vinyl*

alcohol/Tragacanth Gum blend films for food packaging applications, **International Journal of Biological Macromolecules**, 2020.

<https://doi.org/10.1016/j.ijbiomac.2020.04.223>

35. Hiremani Vishram, Gasti Tilak, Satareddi Sarala, Vanjeri Vinayak N, Goudar Naganagouda, **Masti Saraswati**, Chougale Ravindra, *Characterization of Mechanical and Thermal Properties of Glycerol Mixed Oxidized Maize Starch/Polyvinyl alcohol Blend Films* **Chemical Data Collections**, 2020.

<http://doi.org/10.1016/j.cdc.2020.100416>

36. Gasti Tilak, Dixit Shruti, Sataraddi Sarala P, Hiremani Vishram D, **Masti Saraswati P**, Chougale Ravindra B, Malabadi Ravindra B, *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**, 2020. <https://doi.org/10.1007/s10924-020-01832-6>

37. Kasai Deepak, Chougale Ravindra, **Masti Saraswati**, Gouripur Gangadhar, Malabadi Ravindra, Chalannavar Raju, Raghu Anjanpura Venkataramanaiah, Radhika Devi, Dhanavant Soumya, *Preparation, characterization and antimicrobial activity of betel-leaf-extract-doped polysaccharide blend films*, **Green Materials**, 2020.

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38. Hiremani Vishram D, Sataraddi Sarala, Bayannavar Praveen K, Gasti Tilak, **Masti Saraswati P**, Kamble Ravindra R, Chougale Ravindra B, *Mechanical, optical and antioxidant properties of 7-Hydroxy-4-methyl coumarin doped polyvinyl alcohol/oxidized maize starch blend films*, **SN Applied Sciences**, 2020.

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39. Supriya K Shetty, Ismayil, Shreedatta Hegde, V Ravindrachary, Ganesh Sanjeev, &Rajashekhar F Bhajantri, **Saraswati P Masti**, *Dielectric relaxations and ion transport study of NaCMC:NaNO₃ solid polymer electrolyte films*, **Ionics**, March,2021.

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40. Tilak Gasti, Vishram D. Hiremani, Sarala P. Sataraddi, Naganagouda Goudar, Vinayak N Vanajeri, **Saraswati P. Masti**, Ravindra B. Chougale, Ravindra B. Malabadi, *UV screening, swelling and in-vitro cytotoxicity study of novel chitosan/poly (1-vinylpyrrolidone-co-*

vinyl acetate) blend films, **Chemical Data Collections**, 2021.
<https://doi.org/10.1016/j.cdc.2021.100684>

41. 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**, 2021. <https://doi.org/10.1016/j.ijbiomac.2021.07.128>
42. 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**, 2021.
<https://doi.org/10.1007/s10924-021-02123-4>
43. Vinayak N Vanjeri, Naganagouda Goudar, **Saraswati P Masti**, Ravindra B Chougale, *Miscibility and Thermal Study of 4-Hydroxycoumarin Doped Chitosan Films*, **American Journal of Pharmtech Research**, 11(1), 2021.
<http://dx.doi.org/10.46624/ajptr.2021.v11.i1.007>
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BOOK CHAPTERS

1. Mahaveer B Melwanki, Jaldappa Seetharamappa, **Saraswati P Masti**, *Spectrophotometric Determination of Vanadium(V) in Minerals, Steels, Soil and Biological Samples Using Phenothiazine Derivatives*, [Patty's Industrial Hygiene and Toxicology Patty's Industrial Hygiene and Toxicology 2A, 2013, 1981](#) published by **Wiely Publications**.
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RESEARCH PROJECT

- **Title of the Project:** “Physico-Chemical and Mechanical Properties of Ternary Blend Films for Food Packaging Applications”.
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- **Grant sanctioned :** 41,92,144/-
- **Duration :** 2016 to 2020

CONFERENCE/ SKILL DEVELOPMENT PROGRAMME ORGANIZED

Period	Designation	Programme Organized
1. 2014	Joint Secretary	Two Day National Seminar Dept. of Chemistry Karnatak Science College Dharwad, Karnataka.
2. 2018	Joint Secretary	Two Day National Seminar on Recent Trend in Bio-technology Dept. of Chemistry Karnatak Science College Dharwad, Karnataka.
3. 2021	Coordinator	Two Days Internship training on Opportunities of Plastics & Its Technical Concepts organized by CIPET, Mysuru.

ACADEMIC OR INSTITUTIONAL RESPONSIBILITIES

Sl. No.	Period	Designation	College/University

01.	2015 to 2018	Warden	Karnatak University's Kaveri Ladies Hostel Karnatak Science College Dharwad, Karnataka.
02.	2019 to 2021	Former secretary	Karnatak Art's and Science College Teachers Association Dharwad, Karnataka.
03.	2021 to till date	Student Welfare Officer (SWO)	Karnatak University's Karnatak Science College Dharwad, Karnataka.