

BIO-DATA



A. PERSONAL DATA

1. Name : **Dr. RAVINDRA B. CHOUGALE**
2. Date of Birth : 22-07-1967
3. Designation : Associate Professor of Chemistry
4. Address (office) : P. G. Department of Studies In Chemistry
Karnatak University
Dharwad- 580003, Karnataka
- Phone (O) : 0836-2215215/286
- Mobile : + 91-9611287943
- E-mail : chougaleravindra@yahoo.com
5. Residential address : Joseph Villa
13th Cross, Nirmal Nagar
Dharwad -580003.
- Mobile : +91-9611287943
6. Nationality : Indian

B. ACADEMIC RECORDS

| Degree | Year | University | Subject (s) |
|--------|------|------------------------------|--|
| Ph. D. | 1997 | Karnatak University, Dharwad | Solution Kinetics |
| M.Sc. | 1994 | Karnatak University, Dharwad | Physical chemistry (Polymer Specialization) |
| B.Sc. | 1989 | Karnatak University, Dharwad | Physics, Chemistry and Maths |

Ph.D. Thesis - Kinetics and Mechanism of a Few Reactions in Aqueous Alkaline Medium.
Research Supervisor: **Prof. S.T. Nandibewoor**, Department of Chemistry, K.U. Dharwad.

C. PROFESSIONAL DATA

| Period | Designation | Dept./ University/College |
|--|--|--|
| 8th May 2017 to till date | Associate Professor of Chemistry | P. G. Department of Studies in Chemistry, Karnataka University, Dharwad. |
| 8 th May 2014 to 07 May 2017 | Asstt. Professor of Chemistry | P. G. Department of Studies in Chemistry, Karnataka University, Dharwad. |
| 7 th March, 2003 to 5 th May 2014 | Asstt. Professor of Materials Science | Dept of Materials Science, Mangalore University, Mangalagangothri, Mangalore. |
| 4 th December, 1997 to 3 rd December, 1998 | Asstt. Professor of Chemistry | Dept. of Chemistry, College of Agricultural Engineering, University of Agricultural Sciences, Raichur. |

D. MEMBER OF PROFESSIONAL BODY

1. **Fellow Member**, International Science Community Association (formerly International Science Congress Association), Indore, MP, India
2. **Member**, Karnatak University Post Graduate Teacher's Association, Dharwad.
3. **Life member**, Materials Science Forum, Department of Materials Science, Mangalore University, Mangalagangothri, Mangalore.

E. RESEARCH INTEREST

Polymer Blends, Polymer Nanocomposites, Biodegradable Composites, Adsorption, Food Packaging.

F. RESEARCH SUPERVISION

| Name of the Scholar | Title of the Thesis | Status | Name of the University | Month and Year |
|---------------------|--|----------------|-----------------------------------|----------------|
| Deepak Kasai | Thermal, Mechanical and Spectroscopic Investigations on Polysaccharide Based Polymer Blend Films | Awarded | Mangalore University Mangalore | March 2019 |

G. ADMINISTRATION RESPONSIBILITY

- Secretary, Dalton Society, Department of Chemistry, K U, Dharwad.
- Coordinator, Ph.D. Course work, Department of Chemistry, K U, Dharwad.
- Coordinator, PGP, Department of Chemistry, K U, Dharwad.
- Warden, Nijallingappa Hostel, KU Campus, Pavate Nagar, Dharwad.
- Worked as BOE chairman, Physical Chemistry, K U, Dharwad.

H. RESEARCH PUBLICATIONS OF Dr. RAVINDRA CHOUGALE (2017-2020)

In Peer Reviewed International Journals

In the Year 2017

No. of Papers Published = 02

1. **Ravindra B. Chougale**, Saraswati P. Masti, Mudigoudra Bhagyavana, Deepak Kasai, *Miscibility and Thermal Study of PVA/Chitosan/Papaya Latex Blend Films*, **International Research Journal of Engineering and Technology**, **Fast Track Publication**, **4 (7)**, 2424-2432, (2017).

ISSN: 1097-4628

Impact Factor: 7.9

Corresponding Author: **Ravindra B. Chougale**

2. Ramesh S. Gani, Karabasanagouda, Shwetha Kumari, Raju K. Chalannavar, Ravindra B. Malabadi, **Ravindra B Chougale**, Saraswati P. Masti, Deepak Kasai, *Chemo Selective Synthesis and Evaluation of Antimicrobial Activity of Novel 5-hydroxyindole Derivatives*, *Der Pharmacia Sinica*, **Insight Medical Publication**, **8**, 1-9, (2017).

ISSN: 2405-8300

Impact Factor: 0.65

Co-author: **Ravindra B. Chougale**

In the Year 2018

No. of Papers Published = 02

3. Deepak Kasai, **Ravindra B. Chougale**, Saraswati P. Masti, Raju Chalannavar, Ravindra Malabadi, Ramesh 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*, **Wiley**, **135 (17)**, 46188, (2018).

ISSN: 1097-4628

Impact Factor: 3.12

Corresponding Author: **Ravindra B. Chougale**

4. Rashmi C. Kulkarni, Jyoti M. Madar, Samundeeswari L. Shastri, Farzanabi Shaikh, Nirmala S. Naik, **Ravindra B. Chougale**, Lokesh A. Shastri, Shrinivas D. Joshi, Sheshagiri R. Dixit, Vinay A. Sunagar, *Green Synthesis of Coumarin-Pyrazolone Hybrids: In Vitro Anticancer and Anti-inflammatory Activities and Their Computational Study on COX-2 enzyme*, *Chemical Data Collections*, **Elsevier**, **17**, 497-506, (2018).

ISSN: 2405-8300

Impact Factor: 2020 Evaluation Pending

Co-author: **Ravindra B. Chougale**

In the Year 2019

No. of Papers Published = 03

5. Deepak Kasai, **Ravindra B. Chougale**, Saraswati Masti, Raju Chalannavar, Ravindra Malabadi, Ramesh Gani, Gangadhar 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*, **Springer**, **27**, 472-488, (2019).

ISSN: 1572-8919

Impact Factor: 3.6

Corresponding Author: **Ravindra B. Chougale**

6. **Ravindra B. Chougale**, Deepak Kasai, Shilpa Nayak, Saraswati Masti, Anand Nasalapure, Anjanapura V. Raghu, *Design of Eco-friendly PVA/TiO₂-Based Nanocomposites and Their Antifungal activity Study*, **Green Materials, ICE Virtual Library**, **8(1)**, 40-48, (2019).

ISSN 2049-1220

Impact Factor: 2.06

Corresponding Author: **Ravindra B. Chougale**

7. Vinayak N. Vanjeri, Naganagouda Goudar, Deepak Kasai, Saraswati P. Masti, **Ravindra B. Chougale**, *Thermal and Tensile Properties Study of 4-Hydroxycoumarin Doped Polyvinyl alcohol/Chitosan blend films*, **Chemical Data Collections, Elsevier**, **23**, 100257, (2019).

ISSN: 2405-8300

Impact Factor: 2020 Evaluation Pending

Corresponding Author: **Ravindra B. Chougale**

In the Year 2020

No. of Papers Published = 10

8. Shivayogi S. Narasagoudr, Veena G. Hegde, Vinayak N. Vanjeri, **Ravindra B. Chougale**, Saraswati P. Masti, *Ethyl Vanillin Incorporated Chitosan/Poly (vinyl alcohol) Active Films for Food Packaging Applications*, **Carbohydrate polymers, Elsevier**, **236**, 116049, (2020).

ISSN: 0144-8617

Impact Factor: 7.1

Co-author: **Ravindra B. Chougale**

9. S.S Narasagoudr, V.G Hegde, **Ravindra B. Chougale**, Saraswati P. Masti, S. Vootla, R.B Malabadi, *Physico-chemical and Functional Properties of Rutin Induced Chitosan/Poly(vinyl alcohol) Bioactive Films for Food Packaging Applications*, **Food Hydrocolloids, Elsevier**, **109**, 106096, (2020).

ISSN: 0268-005X

Impact Factor: 7.0

Co-author: **Ravindra B. Chougale**

10. Shivayogi S. Narasagoudr, Veena G. Hegde, **Ravindra B. Chougale**, Saraswati P. Masti, Shruti Dixit, *Influence of Boswellic acid on Multifunctional Properties of Chitosan/Poly (vinyl alcohol) Films For Active Food Packaging*, **International Journal of Biological Macromolecules, Elsevier**, **154**, 48-61, (2020).

ISSN: 0141-8130

Impact Factor: 5.1

Co-author: **Ravindra B. Chougale**

11. 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*, **Elsevier**, **158**, 139-149, (2020).
ISSN: 0141-8130 Impact Factor: 5.1
Corresponding Author: **Ravindra B. Chougale**
12. 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*, **Elsevier**, **28**, 100416, (2020).
ISSN: 2405-8300 Impact Factor: 2020 Evaluation Pending
Corresponding Author: **Ravindra B. Chougale**
13. N. Goudar, V.N. Vanjeri, Saraswati P. Masti, **Ravindra B. Chougale**, *Spathodea Campanulata Bud Fluid Reinforced Mechanical, Hydrophilicity and Degradation Studies of Poly (vinyl alcohol) Matrix*, *SN Applied Sciences*, **Springer**, **2**, 568, (2020).
ISSN: 2523-397 Impact Factor: 2020 Evaluation Pending
Corresponding Author: **Ravindra B. Chougale**
14. Shivayogi S. Narasagoudr, Veena G. Hegde, Vinayak N. Vanjeri, **Ravindra B. Chougale**, Saraswati P. Masti, *Influence of Boswellic acid on Physical, structural and Morphological Properties of Poly(vinyl alcohol) Films*, *Chemical Data Collections*, **Elsevier**, **27**, 100370, (2020).
ISSN: 2405-8300 Impact Factor: 2020 Evaluation Pending
Co-author: **Ravindra B. Chougale**
15. T. Gasti, 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*, **Springer**, **28**, 2918–2930, (2020).
ISSN: 1572-8919 Impact Factor: 3.6
Corresponding Author: **Ravindra B. Chougale**

16. V.D. Hiremani, S. Sataraddi, P.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 Applied Sciences*, **Springer**, **2**, 1877, (2020).

ISSN: 2523-3971

Impact Factor: 2020 Evaluation Pending

Corresponding Author: **Ravindra B. Chougale**

17. Deepak Kasai, **Ravindra B. Chougale**, Saraswati P. Masti, Gangadhar Gouripur, Ravindra Malabadi, Raju Chalannavar, Anjanpura Venkataramanaiah Raghu, Devi Radhika, Soumya Dhanavant, *Preparation, Characterization and Antimicrobial activity of Betel-leaf-extract Doped Polysaccharide Blend Films*, *Green Materials*, **ICE Virtual Library**, 1-20, (2020).

ISSN 2049-1220

Impact Factor: 2.06

Corresponding Author: **Ravindra B. Chougale**

In the Year 2021

No. of Papers Published = 08

18. 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 films*, *Chemical Data Collections*, **Elsevier**, **33**, 100684, (2021).

ISSN: 2405-8300

Impact Factor: 2021 Evaluation Pending

Corresponding Author: **Ravindra B. Chougale**

19. Naganagouda Goudar, Vinayak N. Vanjeri, Deepak Kasai, Gangadhar Gouripur, Ravindra B. Malabadi, Saraswati P. Masti, **Ravindra B. Chougale**, *ZnO NPs Doped PVA/Spathodea campanulata Thin Films for Food Packaging*, **Springer**, *Journal of Polymers and the Environment*, **29**, 2797–2812, (2021).

ISSN: 1572-8919

Impact Factor: 3.6

Corresponding Author: **Ravindra B. Chougale**

20. 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, Springer, 1-17, (2021).

ISSN: 1572-8919

Impact Factor: 3.6

Corresponding Author: Ravindra B. Chougale

21. Veena G. Bhat, Shivayogi S. Narasagoudr, Saraswati P. Masti, Ravindra B. Chougale, Yogesh Shanbhag, *Hydroxy citric acid cross-linked chitosan/guar gum/poly(vinyl alcohol) active films for food packaging applications, International Journal of Biological Macromolecules, Elsevier, 177, 166-175, (2021).*

ISSN: 0141-8130

Impact Factor: 6.9

Co-author: Ravindra B. Chougale

22. Shivayogi S. Narasagoudr, Yogesh Shanbhag, Ravindra B. Chougale, Basavarajeshwari M. Baraker, Saraswati P. Masti, Blaise Lobo, *Thermal degradation kinetics of ethyl vanillin crosslinked chitosan/poly(vinyl alcohol) blend films for food packaging applications, Chemical Data Collections, Elsevier, 34, 100739, (2021).*

ISSN: 2405-8300

Impact Factor: 2021 Evaluation Pending

Co-author: Ravindra B. Chougale

23. 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, Elsevier, 187, 451-461, (2021).*

ISSN: 0141-8130

Impact Factor: 6.9

Corresponding Author: Ravindra B. Chougale

24. 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, Springer, (2021).*

ISSN: 1572-8935

Impact Factor: 3.0

Corresponding Author: Ravindra B. Chougale

25. 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*, **Springer**, (2021).

ISSN: 1572-8919

Impact Factor: 3.6

Corresponding Author: **Ravindra B. Chougale**

26. 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*, *Chitosan/pullulan based films incorporated with clove essential oil loaded chitosan-ZnO hybrid nanoparticles for active food packaging*, *Carbohydrate polymers*, **Elsevier**, **277**, 118866, (2021).

ISSN: 0144-8617

Impact Factor: 9.3

Corresponding Author: **Ravindra B. Chougale**

27. 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 (CurcumaZedoaria) for green packaging applications*, *International Journal of Biological Macromolecules*, **Elsevier**, **193**, (2021).

ISSN: 0141-8130

Impact Factor: 9.3

Corresponding Author: **Ravindra B. Chougale**

28. 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 plasticized ethyl cellulose films*, *Chemical Data Collection*, **Elsevier**, **36**, 100796, (2021).

ISSN: 2405-8300

Impact Factor: 2021 Evaluation Pending

Corresponding Author: **Ravindra B. Chougale**

CONFERENCE PRESENTATION

International Conferences

No of Papers Presented = 10

1. Vinayak N. Vanjeri, Ravindra. B. Chougale, *Influence of Potassium Hydrogen Phthalate on Mechanical Behavior of Chitosan Polyvinyl alcohol Blend Films*, 8th International Science Congress (ISC-2018), 8th to 9th December-2018, organized by International Science Community Association in collaboration with Maharishi Markandeshwar (Deemed to be University) Mullana, Ambala, Haryana, India.
2. Vinayak N. Vanjeri, Naganagouda Goudar, Ravindra. B. Chougale, *Effect of 4-Hydroxycoumarin on Mechanical and Wettability Properties of Polyvinyl alcohol/Chitosan Blend Films*, International Conference on Direct Digital Manufacturing and Polymers (ICDDMAP-2019), 20th to 23rd February-2019, organized by Polytechnic Institute of Leiria and Karnatak University, held at the Karnatak University, Dharwad, India.
3. Vinayak N. Vanjeri, Naganagouda Goudar, Ravindra. B. Chougale, *FTIR and DSC Study of 4-Hydroxycoumarin Doped Polyvinyl alcohol/Chitosan Blend Films*, International Conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019), 18th – 20th March-2019, organized by Center for Materials Science and Technology, Vijnan Bhavan, University of Mysore, Mysore Manasagangotri, Mysore Sponsored by University with Potential for Excellence (UPE), held at Vijnan Bhavan, University of Mysore, Mysore, India.
4. Naganagouda Goudar, Vinayak N. Vanjeri, Ravindra. B. Chougale, *Tensile and Wettability Properties of Zinc Oxide Nanoparticles Reinforced Poly (vinyl alcohol)/Spathodea Campanulata Buds Fluid Doped Composite Films*, International Conference on Direct Digital Manufacturing and Polymers (ICDDMAP-2019), 20th–23rd February-2019, organized by Polytechnic Institute of Leiria and Karnatak University, held at the Karnatak University, Dharwad, India.
5. Naganagouda Goudar, Vinayak N. Vanjeri, Ravindra. B. Chougale, *Development and Characterization of ZnO Nanoparticles Reinforced Poly (vinyl alcohol)/Spathodea Campanulata Buds Fluid Composite Films*, International Conference on Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019), 18th–

20th March-2019, organized by Center for Materials Science and Technology, Vijnan Bhavan, University of Mysore, Mysore Manasagangotri, Mysore Sponsored by University with Potential for Excellence (UPE), held at Vijnan Bhavan, University of Mysore, Mysore, India.

6. Naganagouda Goudar, Vinayak N. Vanjeri, **Ravindra. B. Chougale**, *Influence of Gallic Acid on Physicochemical Properties of Poly (vinyl alcohol)/Tragacanth Gum Blend Films*, **9th International Science Congress (ISC-2019)**, 8th –9th December **2019**, Organized by International Science Community Association, in collaboration with Bhilai Institute of Technology, Durg, Chhattisgarh, India.
7. **Ravindra. B. Chougale**, *Vishram D Hiremani, Tilak Gasti, Characterization of Tensile and Thermal properties of Oxidized maize starch/Polyvinyl alcohol Blend Films*, **9th International Science Congress (ISC-2019)**, 8th – 9th December **2019**, Organized by International Science Community Association, in collaboration with Bhilai Institute of Technology, Durg, Chhattisgarh, India.
8. Tilak Gasti, Vishram Hiremani, Sarala Sataraddi, Saraswati P. Masti, **Ravindra B. Chougale**, *Effect of Solanum Nigrum L Leaves Extract on the Physicochemical Properties of Chitosan/PVA blended Bio-films*, **International Virtual Conference on Physics of Solid-State Materials**, 2nd-3rd September **2020**, Organised by the Department of Physics St. Aloysius College (Autonomous) Mangalore, India.
9. Vishram D. Hiremani, Nagangouda Goudar, Tilak Gasti, **Ravindra B. Chougale**, *Improved physicochemical and biological properties of eco-friendly Chitosan/Propyl gallate blend films: A potential material for active food packaging applications*, 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.
10. Vishram D. Hiremani, Nagangouda Goudar, Tilak Gasti, **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”* 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.

CONFERENCE PROCEEDINGS

1. Deepak Kasai, **Ravindra. B. Chougale**, Saraswati P. Masti, Shivayogi Narasagoudar, *Thermal degradation of ternary blend films containing PVA/chitosan/vanillin*, **AIP Conference Proceedings**, 1953, 030226, **(2018)**.

I hereby declare that all the information given by me are true and correct to the best of my knowledge and belief.

Ravindra B. Chougale