

CURRICULUM VITAE



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1.	NAME	:	DR. PRASANNA KUMAR J.K. M.Sc., Ph.D., PDF (WU-C)
2.	DESIGNATION	:	Asst.Professor & HOD Department of Chemistry Bapuji Institute of Engineering & Technology, Davangere-577 004, Karnataka, India Phone: (08192) 221461(O), Cell: 9845431529 / 9916874529 Fax : (08192) 223261, E-mail: prassvin@gmail.com
3.	DATE OF BIRTH	:	21 st May 1983.
4.	EDUCATIONAL QUALIFICATION	:	<ul style="list-style-type: none"> • Completed one year Post Doctoral Research (PDF) (2023-24) under the supervision of Prof.Kathleen Hill, School of Biomedical Engineering, WUC under the Distance Degree Program. • Ph.D in Chemistry from VTU, Karnataka Under the Guidance of Dr. B E Basavarajappa, Professor of Chemistry and Dr. B Suresh, Asst. Prof. Department of Civil Engineering BIET. • M.Sc in General Chemistry from Kuvempu University in the year 2005 with FCD (75%). University 4th Rank. • B.Sc in PCM in DRM Science College from Kuvempu University in the year 2003 with FCD (72.00%)
5.	ADDITIONAL QUALIFICATOION	:	<ul style="list-style-type: none"> • ‘O’ level computer certificate from KEONICS (Govt. of Karnataka Enterprise). • Diploma in certificate in computing (CIC) from IGNOU
6.	EXPERIENCE	:	Total 19.5 years of Teaching & Training, Research for Under Graduate and Postgraduate students.
7.	POSITION HELD	:	<ul style="list-style-type: none"> • Working as Asst. Professor & HOD from Dec 2023 to till Date at BIET, Davangere • Working as Asst. Professor from 2012 at BIET, Davangere • Worked as Lecturer from 2006-2012 at BIET, Davangere • Worked as lecturer at STJ PU College, Anubhavamantapa, and Davangere: 2005-2006.

8.	SUBJECTS STUDIED	:	<ul style="list-style-type: none"> • Basic and advanced inorganic chemistry • Basic and advanced organic chemistry • Basic and advanced physical chemistry
9.	SUBJECTS TAUGHT		<ul style="list-style-type: none"> • Engineering chemistry • Technical chemistry • Textile Chemistry and Biology for Engineers
10.	INSTRUMENTS KNOWLEDGE		<ul style="list-style-type: none"> • Spectrophotometer • Flame Photometry (FES), • Atomic Absorption Spectra • Infrared Spectroscopy • Gas Chromatography • Ion Analyzer, CHEM SKETCH Software • SEM, PXRD, TEM, TGA & DTG
11.	FELLOW / MEMBER OF PROFESSIONAL BODIES	:	<ul style="list-style-type: none"> • Life Member for ISTE • ACS Community Member. • Life Member for GISI • Life member for world crystallographic society • Life Member for NBT • Life member of NMRRS • ICC Member
12.	MEMBER OF ACADEMIC BODIES		<ul style="list-style-type: none"> • Worked as Co-opt member to assist BOE for the conduction of Engineering Chemistry Practical Examinations of VTU for 4 times.
13.	ACADEMIC ACTIVITIES AND ACHIEVEMENTS		<ul style="list-style-type: none"> • Research Guide in Chemistry under VTU, Belagavi. • Resource person for training programs for Primary/High school Science teachers from Karnataka Vignan Parishad.
14.	AWARDS / PRIZES / CERTIFICATES		<ul style="list-style-type: none"> • Two-time Institute Innovative Project Award for the student Project Synthesis of Nanocellulose from Biomass for the year 2022-23, 2023-24. (Rs. 10000.00) • Best Research Paper Presentation Award at National conference on chemical and Biological Science (NCRTCBS) held on 30th and 31st March 2010, Kuvempu University, Shankarghatta, Shimoga.

15.	OTHER ASSIGNMENTS	<ul style="list-style-type: none"> • Worked as Asst.Coordinator for conducting FAER-Zebra Technology sponsored Technology Barrier Reduction Program held at BIET. • Worked as college Co-coordinator for LIC of BIET • Worked as college Asst-coordinator for LIC of BIET • Worked as ISTE Departmental coordinator • Worked as Deputy Chief (Internal) for the conduction of Examinations of VTU. • Worked as Treasurer of Science forum, BIET, Davangere from 2007-2019. • Working as college website coordinator from 2007 • Worked as observer for JEE, NEET & NET Exams
16.	EXPERT LECTURES DELIVERED	<ul style="list-style-type: none"> • Delivered a lecture on Water Pollution and its Control to the High school Teachers of Davangere District organized by Karnataka Viygnan Parishat, sponsored by KSCST-2012. • Delivered a lecture on Basics of Chemistry and Methods of Purification of water to the High school Teachers of Chitradurga District organized by Karnataka Viygnan Parishat, sponsored by KSCST-2012. • Delivered a lecture on Homes of Birds at FAER-Zebra Technology sponsored Technology Barrier Reduction Program held from 18th April to 6th May 2016 at BIET for 9th passed students from rural high schools of Davangere District • Delivered a lecture on Success in Life at FAER-Zebra Technology sponsored Technology Barrier Reduction Program held from 16th April to 4th May 2017 at BIET for 9th passed students from rural high schools of Davangere District.

		<ul style="list-style-type: none"> Delivered a lecture on General awareness to students towards social cause at FAER-Zebra Technology sponsored Technology Barrier Reduction Program held from 18th April to 6th May 2018 at BIET for 9th passed students from rural high schools of Davangere District. Delivered a lecture on How to make use of opportunities in life at FAER-Zebra Technology sponsored Technology Barrier Reduction Program held from 17th April to 4th May 2019 at BIET for 9th passed students from rural high schools of Davangere District.
17.	STUDENT PROJECTS GUIDED / ACADEMIC CREDITS	<ul style="list-style-type: none"> UG Projects: 10 PG – M.Sc., (Chemistry) Projects : 20 Webinars Attended: 40 FDP Attended : 10 Journal Papers Reviewed : 25 Book Chapters Edited: 10 Technical Reports Edited: 02
18.	REVIEWER FOR JOURNALS	<ol style="list-style-type: none"> Journal of Emerging Technology and Innovative Research (International Journal) : ID: 222999 PIJR International Journal: ID: PIJR-REV 351 International Journal of Creative Research Thoughts ID: 118357 International Journal of Science and Research: ID: IJSR-REV 252. International Journal of Engineering Research & Technology (IJERT) : ID : IJERTREW4966 IJSDR - International Journal of Science & Engineering Development Research Journal of Forensic Chemistry and Toxicology. Journal of Analytical & Pharmaceutical Research (JAPLR) Global Research Journal of Multidisciplinary Archives of Pure and Applied Chemistry. Journal of Engineering Science and Technology.

		<p>12. Asian Journal of Green Chemistry: AJGC7584</p> <p>13. Advances in Science, Technology and Engineering Systems Journal (ASTESJ) AJR10766.</p> <p>14. Journal of Engineering Research and Sciences- JSR01454.</p>
19	EDITORIAL BOARD/ ADVISORY BOARD MEMBER FOR JOURNALS	<p>1. Material Science Research India (MSRI) Journal</p> <p>2. Open Journal of Pharmaceutical Science and Research.</p> <p>3. Nanoscience and Nanometrology</p> <p>4. International Journal of Research in Science and Technology</p> <p>5. European Journal of Biomedical and Pharmaceutical Sciences</p> <p>6. World Journal of Pharmaceutical Research</p> <p>7. European Journal of Pharmaceutical and Medical Research.</p> <p>8. Journal of Forensic Chemistry and Toxicology</p>

20. SEMINARS/WORKSHOPS/SYMPOSIUMS ATTENDED

1. Three days Entrepreneurship Program conducted by CEDOC, Dharwad, organized by DRM Science College, Davangere during 24-02-2003 to 26-02-2003.
2. A National seminar on "Medicinal plants" organized by Department of chemistry Kuvempu University. During Dec2003 held at Shankarghatta, Shimoga.
3. A National seminar on "Research Advances in Electrochemical and Surface Sciences for Industry and Society" organized by Department of chemistry Kuvempu University during 3rd and 4th Dec.2004.at Shankaraghatta, Shimoga.
4. One Day workshop on Revised Engineering Syllabus for Chemistry (I and II Sem) Organized by B.V. Boomareddy college of Engineering and Technology, Hubli (Affiliated to VTU, Belgaum), held at BVBCET, Hubli during 9th Aug 2006.
5. A National Seminar on "Education Scenario in 21st century" Sponsored by UGC, Organized by AVK College for Women's at Davangere, Karnataka.
6. One day Seminar on "Industries in context with Globalization" organized by Industry and Institute partnership cell held at Bapuji Institute of Engineering and Technology, Davangere, Karnataka.during17th Feb 2007.
7. One day workshop on "Energy From Waste" organized by department of Chemistry/ESTSC Sponsored by District Advisory committee for Non renewable energy

- sources, Davangere, held at Bapuji Institute of Engineering and Technology ,Davangere, Karnataka during 17th March 2007.
8. One day work shop on MAINS organized by Department of Mathematics and Industrial Production, Bapuji Institute of Engineering and Technology, Davangere, Karnataka.
 9. One day National Seminar on Advances in Chemistry Organized by Department of Chemistry, Karnataka University, Dharwad. Sponsored by UGC, New Delhi.
 10. One day National Seminar on “Advances in Nanotechnology” Organized by Department of Biotechnology, Bapuji Institute of Engineering and Technology, Davangere, Sponsored by ISTE New Delhi.
 11. Two-day National Conference on “Chemistry and Molecular Nanotechnology for Industry and society” Organized by Department of Studies in Industrial Chemistry, School of Chemical Science, Kuvempu university sponsored by UGC during 16th and 17th Jan 2009.
 12. Attended a Workshop on Research methodologies at GIT in 2010, sponsored by VTU, Belgaum.
 13. Attended a National Seminar on “Recent Advances in Nuclear Chemistry” held at AVK Women’s College, on 12th Apr 2011, Davanagere.
 14. Attended a National Conference on Aerobiology which was held at Department of Biotechnology, BIET and sponsored by DST, DBT, Govt of India.
 15. Attended a National conference on Occupational Health at Department of general medicine JJMMC in association with Department of Chemistry, BIET, Davangere.(2011)
 16. Participated in FDP programme on Reengineering of environment impact assessment (REAIP), held at Department of Chemistry and course is sponsored by VTU-VGST, Bangalore.(2011)
 17. Attended a national seminar “Context and Globalization of Chemistry” on 24th and 25th April 2012 at Department of chemistry, School of Chemical Sciences, Kuvempu university, Shimoga.
 18. Attended a Workshop on “Ramanujan Mathematics Awareness programme” conducted by Department of Mathematics, BIET, on 1st March 2013.
 19. Attended a VTU sponsored workshop on Chemistry New Syllabus-2015 during April 2015 at UBDTCE, Davangere.
 20. Attended a workshop on Modern approach for effective management of municipal solid waste held at BIET, Davangere on 14th Nov 2015.
 21. Attended a one day workshop on Research methodologies during Nov-2015 at BIET, Davangere.
 22. Attended national conference on Recent Trends and Future Applications of Chemical Sciences at Dept. of Chemistry, Davangere University on 5th Nov 2016.

23. Attended one day national seminar on Intellectual Property Rights on 15th Nov 2017 at BIET, Davanagere.
24. Participated in seminar on New Education Policy-2020 on 21-02-2023 at BIET.
- 21. THE DETAILS OF RESEARCH PAPERS PRESENTD / PUBLISHED AT CONFERENCES:**
 1. Presented a paper on “Synthesis, characterization and Antibacterial Studies of Zn (II), Pd (II) and UO₂ (VI) complexes of propanthelene bromide with quaternary nitrogen” at National conference on chemical and Biological Science (NCRTCBS) held on 30th and 31st March 2010, Kuvempu university, Shankarghatta , Shimoga.
 2. Presented a paper on “Synthesis, characterization, solid state conducting and Antibacterial Studies of Cu(II) ,Ni(II) complexes of metformin ligand ” at National conference on Recent trends in chemistry on 31st March 2011, DRM Science college ,Davanagere.
 3. Presented a research paper on Synthesis and characterization of some metal complexes” in NCRAC (National Conference on Recent Advances in Chemistry) At Jain University P.G Centre, Bangalore during 28th and 29th December 2011 and the same paper is published in proceedings of the conference.
 4. Presented a research paper on “Synthesis, characterization of metal complexes of Metformin hydrochloride” on 25th and 26th April 2012 in NCICS held at Department of Industrial Chemistry, School of Chemical Sciences, Kuvempu University, Shimoga, (Published in proceedings of the conference).
 5. Presented Research paper “Synthesis, structural elucidation and biological studies of some complexes of Itopride hydrochloride” is presented in 13th ICC National Conference which was held on 26th to 28th Dec 2012 at Sourastra University, Rajkot, Gujarath. (Published in proceedings of the conference).
 6. Presented Research paper “Synthesis, Characterization, and Biological Activity of Transition Metal Complexes of Tizanidine Hydrochloride” is presented in 14th ICC National Conference which was held on 28th to 30th Dec 2013 at Karnatak University, Dharwad. (Published in proceedings of the conference).
 7. Research paper “Synthesis, structural and biological studies of some metal complexes of Itopride hydrochloride” in International conference on Material Chemistry which is to be held in Jan 17th to 19th 2013 at NITK Surathkal, Karnataka. (Published in proceedings of the conference).
 8. Presented Research paper “Synthesis, Characterization, and Biological Activity of Transition Metal Complexes of Famotidine” at 15th ICC National Conference which was held on 27th to 29th Nov 2014 at Indian institute of mines,Dhanabad. (Published in proceedings of the conference).

9. Presented Research paper “Synthesis, Characterization, and Biological Activity of Transition Metal Complexes of Famotidine” at National Conference on Advance instrumental methods of chemical analysis which was held on 14th Feb 2015 at AVKWC, Davangere.
10. Presented a research paper on Removal of Cadmium and Lead ions by using Functionalized Cellulose at National Conference on Recent trends on the applications of Science in Engineering (NCRSE-2018) on 28/09/2018, BIET, Davangere.
11. Presented a research paper on Synthesis and Spectroscopic Studies of Phthalic Acid Based Azo Dyes at National Conference on Recent trends on the applications of Science in Engineering (NCRSE-2018) on 28/09/2018, BIET, Davangere.
12. Presented a research paper on Synthesis, Characterization of Nanocellulose from Rubber Wood at National Conference on Recent trends on the applications of Science in Engineering (NCRSE-2018) on 28/09/2018, BIET, Davangere.
13. Presented a research paper on Organic dyes used as additives in electroplating of zinc over steel at National Conference on Recent trends on the applications of Science in Engineering (NCRSE-2018) on 28/09/2018, BIET, Davangere.
14. Presented a research paper on Adsorption of Heavy Metal Ions Form Aqueous Single Metal Solution By Chemically Modified Cellulose at National Conference on Recent trends on the applications of Science in Engineering (NCRSE-2018) on 28/09/2018, BIET, Davangere.

22. THE DETAILS OF RESEARCH PAPERS PUBLISHED:

1. Sandeep C, B P Nandeshwarappa, G K Prakash, **J.K.Prasannakumar** “Efficient Synthesis and Characterization of novel 2H-[1,4]oxaselenepino[5,6-b]quinolin-3(5H)-ones derivatives” in *Chemical Data Collections*. Volume 28, August 2020, 100446 (doi: [10.1016/j.cdc.2020.100446](https://doi.org/10.1016/j.cdc.2020.100446)) (Elseveir).
2. **Prasannakumar Jammapura Kallappa**, Prakash Gowdra Kalleshappa, Basavarajappa Bachi Eshwarappa, Suresh Basavarajappa, Virupaxappa S Betageri, Bharath Kadlera Devendra (2023). Synthesis of Cellulose Nanofibers from Lignocellulosic Materials and their Photocatalytic Dye Degradation Studies. *International Nano Letters*. <https://doi.org/10.1007/s40089-023-00402-7> (IF : 3.7, Springer).
3. **J. K. Prasannakumar**, G. K. Prakash, B. Suresh, B .E. Basavarajappa, H.S.Onkarappa, Bharath K Devendra, S.G.Prasannakumar (2023). Synthesis of Nanocellulose Fibers from Lignocellulosic Biomass in Ionic Liquid and their Morphological Studies. *Asian J. Chem.* 35(1), 83-88. <https://doi.org/10.14233/ajchem.2023.23999>. (Scopus Indexed)
4. **J. K. Prasannakumar**, G.K. Prakash, H.S. Onkarappa, B. Suresh and B.E. Basavarajappa (2022).Synthesis and Characterization of Nanocellulose from Lignocellulosic Agricultural

Biomass by Acid Hydrolysis. *Asian J. Chem.* 34(10), 2639-2645.
<https://doi.org/10.14233/ajchem.2022.23900>.(Scopus Indexed).

5. **J. K. Prasannakumar**, G. K. Prakash, B. Suresh and B. E. Basavarajappa (2022). Green Synthesis of Nanocellulose Fibers from Ragi Stalk and its Characterization. *Asian Journal of Green Chemistry*, 6(3), 273-283.[doi10.22034/ajgc.2022.3.7](https://doi.org/10.22034/ajgc.2022.3.7). (Scopus Indexed).
6. **J. K. Prasannakumar**, G. K. Prakash, B. E. Basavarajappa, B. Suresh (2022). Synthesis and Characterization of Mango Wood Nanocellulose Fibers. *Asian Journal of Chemical Sciences*, 12(2), 39-49.<https://doi.org/10.9734/ajocs/2022/v12i219145>. (International).
7. **J.K.Prasannakumar**, G.K. Prakash, H. S. Onkarappa ,B. Suresh and B. E. Basavarajappa (2022).Synthesis of Nanocellulose from Groundnut Husk in Ionic Liquid Medium and their characterization. *J. Applicable Chem.*, 11(4), 539-548.(International)
8. **J.K. Prasannakumar**, G.K.Prakash, B. Suresh, H. S. Onkarappa and B. E. Basavarajappa (2022). Synthesis and Characterization of Nanocellulose fibers from Ragi Stalk by Acid Hydrolysis. *J. Applicable Chem.*, 11(4) 557-566.(International).
9. Krishna. Kumar T.K, V.K. Katiyar, K.S. Basavarajappa, M.L. Mallikarjuna, Ashwini M Rao, K.S. Mani, Prasanna Kumar J. K. Study of Aneurysm Rupture in the Communicating Artery Using Strain Energy Function – A Mathematical Model. *Euroasia Journal of Mathematics, Engineering, Natural & Medical Sciences*, 10(30), 21–31.
<https://doi.org/10.5281/zenodo.10373865>.

23. THE DETAILS OF BOOK CHAPTERS PUBLISHED

1. Prasannakumar J.K., Prakash, G.K., Suresh, B., Basavarajappa B.E., Onkarappa H.S., Devendra B. K., & Prasannakumar, S.G. (2024). Synthesis of Nanocellulose Fibers from Lignocellulosic Biomass in Ionic Liquid: A Novel Approach. *Recent Developments in Chemistry and Biochemistry Research* Vol. 4, 1–12.
<https://doi.org/10.9734/bpi/rdcbr/v4/387>.

24. THE DETAILS OF TRAINING PROGRAMME ATTENDED AND CONDUCTED:

1. One Week STTP Programme on Industrial Pollution Control Organized by Department of Chemistry and Civil Engg, Bapuji Institute of Engineering and Technology, Davangere Sponsored by ISTE New Delhi.
2. Undergone five days Industrial Training on “Estimation of Cellulose in Woodstuff” at GRASIM Industries, Harihar.
3. Participated in FDP programme on Reengineering of environment impact assessment (REAIP), held at Department of Chemistry and course is sponsored by VTU-VGST, Bangalore. (5th -7th March 2011).

4. Participated in STTP programme on Sustainable development through sugar industry at Department of Chemistry and course is sponsored by VTU-VGST, Bangalore on first week of May 2013.
5. Worked as Asst.Coordinattor for conducting FAER-Zebra Technology sponsored Technology Barrier Reduction Program during the year 2016-2019 at BIET for 9th passed students from rural high schools of Davangere District.
6. Worked as Asst.Coordinator for one day seminar on Science in Engineering held on 15th Dec 2017 at BIET, Davanagere.
7. Attended 3-day FDP on Induction Training program for first Year Engineering Students from 7th to 9th June 2018 at GIT Belgaum. This program sponsored by AICTE, New Delhi.
8. Worked Coordinator for two-week Student Induction Program-2018 for first year engineering students from 13-08-2018 to 26-08-2018 at BIET.
9. Worked Co-Coordinator for one day national conference on Recent Trends on the applications of science and engineering held on 28-09-2018 at BIET.
10. Participated in one week FDP Program on Recent trends in Environmental Impact Assessment-Process and Program held on 17th Jan 2019 to 22nd Jan 2019 at Department of Civil Engineering, BIET, Davanagere.
11. Worked Coordinator for two-week Student Induction Program-2018 for first year engineering students from 01-08-2019 to 10-08-2019 and 01-02-2020 to 10-02-2020 at BIET.
12. Worked as Co-Coordinator for two-week Student Induction Program-2020 for first year engineering students from 01-02-2020 to 10-02-2020 at BIET.

I hereby declare that the above-mentioned information's are correct to the best of my knowledge.

(Dr. Prasannakumar J K)