

Dr. PRAVEEN KUMAR D.G.

Associate Professor

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WORK EXPERIENCE: 22 YEARS

- Worked as Lecturer in Bapuji Institute of Engineering and Technology Davangere, in Department of Chemical Engineering, from December 2000 to September 2001.
- Worked as Junior Research Assistant in Central Food Technological Research Institute, Mysore from April 2003 to August 2003
- Working as lecturer in Bapuji Institute of Engineering and Technology Davangere, in Department of Chemical Engineering from September 2003 to August 2011.
- Working as Assistant Professor in Bapuji Institute of Engineering and Technology Davangere, in Department of Chemical Engineering from September 2012 to January 2022.
- Working as Associate Professor in Bapuji Institute of Engineering and Technology Davangere, in Department of Chemical Engineering from 11-02-2022 to till Date.

EDUCATIONAL QUALIFICATION:

- Ph.D. in Chemical Engineering, at BIET, Under VTU Belgaum in 2019.
- M.Tech. (Chemical Engineering) in First Class with Distinction from SIT, Tumkur, VTU, Belgaum in 2003.
- B.E. (Chemical Engineering) in First Class with Distinction from BIET, Davangere, Kuvempu University, in 2000.

DISSERTATION DETAILS:

- Ph.D. “Removal of Benzene Derivatives from Aqueous Solution using Low Cost Adsorbents”
- M.Tech.: “Field Assisted Dehydration of Vegetables” work carried out at CFTRI Mysuru.

AWARDS:

- Awarded First Prize for Poster entitled “Infrared Assisted Hot Air Drying of Onion” presented at “National Level Conference in Emerging Trends in Food Technology” held at Osmania University Hyderabad on Feb 28th and March 1st, 2003.
- Awarded Second prize for poster entitled “Effect of Different Processing Parameters on the Quality of Dehydrated Onion”, poster presented at “5th International Food Convention” held at CFTRI Mysore from 5th to 8th December.
- Best teacher award in the Institute.

MEMBERSHIP:

- Life member of Indian Society for Technical Education. LM89377
- Life member of Institution of Engineers (India). M-165625-7
- BOE Member in Chemical Engineering for VTU, 2016-17. 2019-20

CORE SUBJECTS TAUGHT:

- Heat Transfer, Mechanical Operations, Petrochemicals, Chemical Reaction Engineering, Pollution Prevention and Control Engineering, Solid Waste Management etc.

RESEARCH/FUNDED PROJECTS:

Sl. No.	Title of the Project	Funding Agency	Grant /Amount Mobilized (Rs. in Lakhs)
1	Investigations on red chilly as a potential source of oleoresins	VTU	0.050
2	Supercritical extraction of oleoresins from chillies	NAIN	2.36
3	Production of Biodiesel from waste cooking oil	VTU	0.050
4	Formulation of ecofriendly detergent powder from rice husk ash	KSCST	0.040
5	Status of solid waste management at Davangere city	KSCST	0.050
6	Extraction of essential oil	KSCST	0.055
7	Invitro anti-cancer activity of selected herbal extracts	KSCST	0.050
8	Slow pyrolysis of Kiker for generation of solid liquid and gaseous fuels.	KSCST	0.045

RESEARCH PAPERS PUBLISHED IN PEER REVIEWED JOURNALS:

1. AC conductivity and dielectric investigations of amorphous manganese oxide and amorphous manganese oxide/conducting polymer nanocomposites, *Journal of Materials Science: Materials in Electronics*, (2023) 34:176, doi.org/10.1007/s10854-022-09626-3.
2. Bagasse Fly Ash as an Effective Adsorbent: Evaluation of Adsorptive Characteristics for 4-Nitroaniline Removal, *International Journal for Modern Trends in Science and Technology*, 7(05): 155-161, 2021, ISSN: 2455-3778 online.
3. Fixed-Bed column studies on adsorption of 4-nitroaniline from aqueous solution by bagasse fly ash, *International Journal of Engineering Science Invention (IJESI)*, 7 (9) Ver. II, (2018), pp. 39-46. ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726.
4. Adsorption of picric acid onto granular activated carbon from aqueous solution: parametric, kinetic, equilibrium and thermodynamic study, *International Journal of Latest Engineering and Management Research (IJLEMR)*, 03 Issue 08, (2018), 19-29. ISSN: 2455-4847
5. Removal of nitrobenzene from aqueous solution by adsorption on bagasse fly ash, *International Journal of Modern Trends in Engineering and Research*, 5 Issue 8, (2018), 20-27. ISSN: 2349-9745
6. Suitability of Thin Layer Models for Infrared-Hot Air-Drying of Onion Slices, *LWT-- Food Science and Technology*, (2006), 39(6), pp. 700-705.
7. Infrared and Hot-Air Drying of Onions, *Journal of Food Processing and Preservation*, (2005), 29, 132–150.

RESEARCH PAPERS PRESENTED IN SEMINARS / CONFERENCES:

1. Infrared assisted hot air drying of onion, presented in Emerging Trends in Food Technology, held at Osmania University Hyderabad between Feb 28 and March 1, 2003.
2. Effect of different processing parameters on the quality of dehydrated onion presented in 5th International Food Convention” held at CFTRI Mysore from 5th to 8th December 2003.
3. Thin layer models for hot air assisted infrared drying on onion slices, presented in 5th International Food Convention” held at CFTRI Mysore, from 5th to 8th December 2003.
4. Thermo gravimetric analysis of global mass loss kinetics of thermal degradation of sawdust in nitrogen and air, presented in All India Seminar on “Energy and Environmental Issues Related to Chemical Industry” organized by IE(I), UP State Centre, & HBTI Kanpur from 10th and 11th, March 2007.

WORKSHOPS / SHORT TERM COURSE/ QIP COURSES AND FDP

ATTENDED:

<u>Sl. No</u>	<u>Name of the Course</u>	<u>Place</u>	<u>Duration/ Period</u>	<u>Sponsoring Agency</u>
1	Two Day National Workshop on Vermicompost	BIET, Davangere	23-12-2003 to 24-12-2003	Department of Chemical Engineering
2	Two Day Workshop on Thermodynamics	BIET, Davangere	20-02-2004 to 21-02-2004	Department of Biotechnology
3	Short Term Course on Chemical Engineering applications in Biotechnology	M.S. Ramaiah Institute of Technology	09-08-2004 to 20-08-2004	Department of Biotechnology
4	Short Term Course on Environmental Impact Assessment-Methods and Procedures,	IIT Roorkee	27-02-2006 to 03-03-2006	Department of Chemical Engineering
5	Short Term Course on Authorization, Technologies for Treatment, Recycling and Reprocessing of Hazardous Waste	IIT Roorkee	20-11-2006 to 24-11-2006	Department of Chemical Engineering
6	Short Term Course on Novel Separation Techniques in Process Industry	IIT Roorkee	04-12-2006 to 08-12-2006	Department of Chemical Engineering
7	Short Term Course on Hazardous Waste Management	IIT Roorkee	09-07-2007 to 13-07-2007	Department of Chemical Engineering
8	Short Term Course on Municipal Solid Waste-Planning, Collection, Handling and Disposal	IIT Roorkee	04-12-2007 to 08-12-2007	Department of Chemical Engineering
9	Short Term Course on Recent Trends in Environmental Management Strategies in Petroleum, Petrochemical and Fertilizer Industries	IIT Roorkee	11-02-2008 to 13-02-2008	Department of Chemical Engineering
10	Short Term Course on Pollution Control Techniques for Distillery Waste	IIT Roorkee	03-03-2008 to 05-03-2008	Department of Chemical Engineering
11	Five day Soft Skills Workshop Mission 10 X	UBDTCE Davangere	05-01-2009 to 09-01-2009	UBDTCE Davangere
12	Three day Soft Skills Workshop Campus Connect.	Infosys, Mysore	19-03-2012 to 22-03-2012	Infosys, Mysore
13	Three day workshop on Recent Trends in Monitoring, Control, and Abatement of Air Pollution (RTMCAAP-2012)	NITK, Surathkal,	26-12-2012 to 28-12-2012	NITK, Surathkal

14	Faculty Development programme on Recent Advances and Development in Downstream Processing (RADDP)	Dayanand Sagar College of Engineering, Bengaluru.	16-06-2015 to 19-06-2015	Department of Chemical Engineering DSCE, Bengaluru
15	Workshop on Research Methodology	BIET Davangere	28-10-2015	R & D Cell of BIET, Davangere in association with ISTE, BIET Chapter
16	Three day training programme on Ground water Development and Management	UBDTCE Davangere	12-09-2017	UBDTCE Davangere
17	One week hands on training on Trends in Biotechnology	BIET Davangere	15-01-2018 to 21-01-2018	Department of Biotechnology, BIET Davangere
18	Three day FDP programme on Recent Trends in Environmental Impact Assessment – process and procedures (RTEIA-PP)	BIET Davangere	17-01-2019 to 19-01-2019	Department of Civil Engineering, BIET Davangere
19	National Seminar on New Trends in biotechnology & 14th conference of society of cytologists and geneticists	BIET Davangere	06-03-2019 to 08-03-2019	Dept. of Biotechnology,
20	Two day workshop on AICTE model curriculum TEQIP 1.3 workshop	BIET Davangere	28-04-2019 to 2-04-2019	Department of Chemical Engineering,
21	KSCST 42 nd series Student Project Programme.	KLESCET, Belgaum and Technology	04-09-2019 to 05-09-2019	KSCST, Bengaluru
22	Three day workshop on Recent Advances in Chemical Science & Engineering	KSTA Bangalore	05-09-2019 to 07-09-2019.	KSTA, DST. Govt. of Karnataka, Bangalore
23	Five day online faculty development programme on Recent Innovations in Chemical Engineering(RICE)	Department of Chemical Engineering, BKIT, Bhalki	29-06-2020 to 03-07-2020	Department of Chemical Engineering, BKIT, Bhalki
24	Five day faculty programme in Recent Advancement ins in Nanoparticles, Films and Membranes	Department of Chemical Engineering, SIT Tumkur	10-08-2020 to 14-08-2020	Department of Chemical Engineering, SIT Tumkur
25	Three day online workshop on Future of Chemical Engineering	IIT (ISM) Dhanbad	19-03-2021 to 21-03-2021	Department of Chemical Engineering

26	Five day invited talk series virtually on Biotechnology vs COVID Challenges, Opportunities and Ethics for the Research & BT Industries	Department of Biotechnology and Research Center, BIET, Davangere	24-05-2021 to 28-05-2021	Department of Biotechnology and Research Center, BIET, Davangere
27	One week training on Inculcating Human Values in Technical Education	All India Council for Technical Education, New Delhi	26-07-2021 to 30-07-2021	All India Council for Technical Education, New Delhi
28	One week online FDP on Myriad Regimes Possessing the potentiality for Chemical Engineers	Department of Chemical Engineering MASRIT, Bangalore	14-02-2022 to 19-02-2022	Department of Chemical Engineering MASRIT, Bangalore
29	Five Days online FDP on Recent Trends in Chemical Engineering and Petrochemical Industries	JCT College of Engineering and Technology, Coimbatore	21-11-2022 to 25-11-2022	JCT College of Engineering and Technology, Coimbatore
30	Five Days online FDP on Recent Advances in Chemical Engineering-2022 (RACE-22)	Department of Chemical Engineering, Rajalakshmi Engineering College, Chennai	8-11-2022 to 12-11-2022	Department of Chemical Engineering, Rajalakshmi Engineering College, Chennai
31	Five Days FDP on Data Analytics and Data Science	Department of information Science and Engineering, BIET, Davangere	30-01-2023 to 03-02-2023	Department of information Science and Engineering, BIET, Davangere

SEMINARS / CONFERENCES / WORKSHOPS ORGANIZED:

<u>Sl. No</u>	<u>Name of the Course / Summer School</u>	<u>Place</u>	<u>Duration/ Period</u>	<u>Sponsoring Agency</u>
1	Organizing Committee Member, Seminar on Recent trends in Nanotechnology	BIET, Davangere	20-09- 2008	Collaboration with IIPC-BIET and ISTE-student chapter
2	Organizing Committee Member, National level student's symposium NITHANTHA: Emerging Trends in Biotechnology	BIET, Davangere	17-03-2009	Department of Biotechnology, BIET, Davangere

3	Organizing Committee Member, Nanobiotech2009; The National Conference on Nano biotechnology: Applications in medicine	SSIMS& RC, Davangere	28-11-2009 to 30-11-2009	BIET, and SSIMS&RC, Davangere
4	Organizing Committee Member, National level student's symposium on BIOSATUM 2010	BIET Davangere	30-04-2010.	Department of Biotechnology
5	Organizing Committee Member, for two day seminar on 60th National Conference on Occupational Health	BIET & JJMMC Davangere	27-06-2010 to -28-06-2010	BIET & JJMMC Davangere
6	Organizing Committee Member, Aerobiology: 2010: 16th National conference on Aerobiology and National Symposium on Biotechnological Applications in Environment Management and Medicine	BIET, Davangere	19-11-2010 to 21-11 2010.	BIET Davangere & Indian Aerobiology Society
7	Organizing Committee Member, FDP on Reengineering of Environmental Impact Assessment	BIET, Davangere	04-03-2011 to 07-03-2011	VTU and VGST, Govt. of Karnataka
8	Organizing Secretary for National Symposium Biotechnology and Biochemical Engineering and carrier opportunities in Biotechnology BIOSATUM -2012	BIET, Davangere	11-05-2012 to 12-05- 2012.	Department of Biotechnology, BIET Davangere
9	Co-Coordinator, National Level Students' Symposium-Chemexcel-2013	BIET, Davangere	22-11-2013	Department of Chemical Engineering, BIET Davangere
10	Organizing Secretary National Level Students' Symposium-Chemexcel-2014	BIET, Davangere	21-03-2014	Department of Chemical Engineering, BIET Davangere
11	Organizing Secretary National Level Students' Symposium-Chemexcel-2015	BIET, Davangere	27-03-2015	Department of Chemical Engineering, BIET Davangere
12	Organizing Secretary National Level Students' Symposium-CHEMEXCEL	BIET, Davangere	30-09-2015	Department of Chemical Engineering, BIET Davangere

13	Organizing Committee Member, Workshop on Entrepreneurship Awareness Camp	Department of Biotechnology, BIET Davangere	2408-2016 to 26-08-2016	Department of Biotechnology, BIET Davangere
14	Organizing Secretary National Level Students' Symposium-Chemexcel-2016	BIET, Davangere	21-09-2016	Department of Chemical Engineering, BIET Davangere
15	Organizing Secretary National Level Students' Symposium-Chemexcel-2018	BIET, Davangere	23-03-2018	Department of Chemical Engineering, BIET Davangere
16	Organizing Secretary National Level Students' Symposium-Chemexcel-2019	BIET, Davangere	23-03-2019	Department of Chemical Engineering, BIET Davangere
17	Organizing Secretary National Level Students' Symposium-Chemexcel-2K19	BIET, Davangere	25-10-2019	Department of Chemical Engineering, BIET Davangere
18	Organizing Committee Member, Webinar on Computational Fluid Dynamics (CFD)	BIET, Davangere	24-16-2021	Department of Chemical Engineering, BIET Davangere
19	Organizing Committee Member, Webinar on Environmental Management at JSW Steel Ltd.	BIET, Davangere	01-07-2021	Department of Chemical Engineering, BIET Davangere
20	Organizing Committee Member, five day training workshop on Unisin Process Simulation Software for chemical engineering students.	BIET, Davangere	20-12-2021 to 24-12-2021	Department of Chemical Engineering, BIET Davangere
21	Organizing Committee Member, webinar on Innovations through Design Thinking	BIET, Davangere	09-05-2022	Department of Chemical Engineering, BIET Davangere
22	Organizing Secretary National Level Students' Symposium-Chemexcel-2022	BIET, Davangere	29-06-2022	Department of Chemical Engineering, BIET Davangere

ADDITIONAL INFORMATION:

1	Was awarded certificates of merit for consecutive twelve years for having been responsible for the cent-percent results. (2000-01, 2004-05.)
2	Worked as external deputy chief superintendent for Engineering Exams at UBDTCE Davangere from 26-05-2015 to 06-06-2015.
3	Worked as internal deputy chief superintendent for Engineering Exams at BIET, Davangere.
4	Worked as Coordinator for central valuation of Engineering Exams of VTU, for Chemical Engineering and Biotechnology branches for two semesters in 2003 & 2004.

EXTRA-CURRICULAR ACTIVITIES:

1	Accompanied students to various industrial visits since 2000.
2	Accompanied students to attend various conferences since 2000.
3	Accompanied the Institute students to KLE Belgaum, for KSCST project exhibition.

CO-CURRICULAR ACTIVITIES:

1	Actively involved certification and verification of supply, commissioning, operation and maintenance of the pure drinking water distribution RO plat unit installed by M/s Hi-Tech Sweet Water Technologies Private Limited, Surat, Gujarat at various locations of Davangere district, on behalf of Executive Engineer, RWS & SD Davangere.
2	Actively involved in Conducting National Seminar Chemexcel every year for students of Chemical Engineering.
3	Member BOE, VTU Belgaum 2016-17, 2019-20, 2020-21, 2022-23

SWAYAM COURSES:

Successfully completed the NPTEL online certification funded by the MoE, Govt. of India on the course "Data Analytics with Python" with a consolidated score of 48%. Roll No. NPTEL23CS08S53420032 for duration of 12 Weeks from January to April 2023 secured 4 credits.

INSTITUTIONAL LEVEL RESPONSIBILITIES:

1. Working as institute IQAC coordinator
2. Worked as deputy warden for BIET Boys' hostel. From 01-05-2010 to 30-04-2014
3. Department NAAC Coordinator
4. AICTE Activity Points Programme Coordinator
5. Department UHV Coordinator
6. Department ISTE Coordinator
7. Department Advisory Board (DAB) Member
8. Program Assessment Board (PAC) Member
9. Department Quality Assurance Cell (DQAC) Coordinator
10. Project Work Coordinator
11. Seminar Coordinator
12. Industrial Visit Coordinator