

Curriculum Vitae



Name : **Dr. P. K. S. Yadav**
Designation : Assistant Professor
Department : Oil & Paint Technology, HBTI, Kanpur
Tel. Office : 91-512-2534001-05 Extn- 125
E-mail & Mobile : pkyhbti@yahoo.co.in, 91-9415485447

Personal Profile

Date of Birth : 27th- August, 1974
Marital Status : Married
Residence : 1421/23 'Y' Block, Kidwai Nagar, Kanpur-208011

Academic Qualifications

Sl. No.	Degree	Year	Institution / Board/University	Percentage Marks
1.	High School	1989	Kendriya Vidyalaya, Kanpur Cantt C.B.S.E., Board	73
2.	Intermediate	1991	S.S. Inter College, Kanpur	73
3.	B.Sc.	1994	P.P.N. Degree College, Kanpur	63
4.	B.Tech.	1998	HBTI, Kanpur	70
5.	Ph.D.	2012	G.B. Technical University, Lucknow	-

Topic of Ph.D. *“Development, Characterization and Performance Evaluation of Biodiesel”*

Experience Record

1. Working as **Assistant Professor, Oil Technology** in the Department of Oil and Paint Technology, H.B.T.I., Kanpur from January 2006 to till date.
2. Worked as **Lecturer, Oil Technology** in the Department of Oil and Paint Technology, H.B.T.I., Kanpur from February 2003 to December, 2005.
3. Worked as **Guest Lecturer, Oil Technology** in the Department of Oil and Paint Technology, H.B.T.I., Kanpur from July 2001 to January 2003.

Administrative Experience

1. Working as **Member Secretary, Center of Excellence on Applied Research, Training and Education in Lipid Science** established at H.B.T.I., Kanpur from December, 2013 to till date.
2. **Member, Selection Committee** for *Junior Technicians and Junior Technical Superintendents* at I.I.T., Kanpur.
3. Working as **Member, Training and Placement**, H.B.T.I., Kanpur.
4. Working as **Coordinator, Training and Placement, Oil Technology**, Department of Oil and Paint Technology, H.B.T.I., Kanpur.
5. Working as **Convener, Photography Cell** of Council of Students Activities, H.B.T.I., Kanpur.
6. Worked as **Convener, Sports Sub Council** during July 2004 – September, 2005.

Research Guidance

M.Tech.

S. No.	Name of the student	Topic of Research	Year	Remark
1.	Ms. Manica Arora	Natural antioxidants and synthetic antioxidants: A comparative study	2014	Completed
2.	Ms. Niyati Tandon	Synthesis and characterization of polyurethane resin from used soybean oil	2014	Completed
3.	Ms. Sarita Saxena	Isolation of nutraceuticals from crude palm oil	2014	Completed
4.	Mr. Rahul Mishra	Studies on Production of Biodiesel from waste cooking oil using heterogeneous catalyst	2015	Completed

5.	Ms. Farha Afrin	Synthesis of Polymeric Surfactants	2016	In Progress
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Special lecture/ Keynote delivered in short term course, seminars, workshops, Conferences.

1. Delivered an Invited talk on Introduction of Oil Processing at D.D. U. State Institute of Rural Development, Lucknow on December 02, 2015.
2. Delivered an Invited talk on Newer Feedstocks for biodiesel at D.M.S.R.D.E., Kanpur on February 04, 2016
3. Delivered an expert lecture on Processing of Non- Conventional Feedstocks for Biodiesel Production in a National Workshop on Innovative Practices in Vegetable Oil Processing during September 27-28, 2014 at H.B.T.I., Kanpur
4. Delivered an expert lecture on Emerging Trends and Benefits of Bio-Lubricants in a National Workshop on Opportunities and Challenges in Bio-Fuels & Bio-Lubricants during November 21-22, 2015 at H.B.T.I., Kanpur

Seminar / Conferences / Training programmes Organized

1. Organized a **National Seminar** on “*Technological Development in the field of production of Consumer Grade Refined Oils & Vanaspati*” at H.B.T.I., Kanpur, During Oct. 03, 2004 as **member**.
2. Organized **Engineering Seminar** for *Oil Industry/Solvent Extraction Plants/ Other Allied Industries* during 24-25 Feb., 2007 at HBTI, Kanpur as **member**.
3. Organized a **Training Programme** on *Non Edible Oilseeds* as **Co- Coordinator** at H.B.T.I., Kanpur during March 04-10, 2010, sponsored by Seed Division, Department of Science and Technology, Government of India, New Delhi.
4. Organized an **International Seminar & Expo** on *Oils, Fats & Oleo Chemicals: Food Security, Green Energy & Environment* at New Delhi during 3-5 December, 2010 as **General Program Secretary**.
5. Organized a **National Seminar** on *Advances in Lipids, Surfactants, Surface Coating's & Polymers* at H.B.T.I., Kanpur during April 24-25, 2010 as **member**.

6. Organized **CONFLUENCE -2013 A National Seminar cum Technical Fest** on “*Newer Technologies in Oil and Paint Industries*” as **Convener** during March 8-9, 2013 at H.B.T.I., Kanpur.
7. Organized a **Faculty Development Program** on “*Essentials of Teaching Learning Process*” during March 18-23, 2013 as **Coordinator** at H.B.T.I., Kanpur.
8. Organized a **Workshop** on “*Advances in Oil Processing*” organized by the Department of Oil and Paint Technology, H.B.T.I., Kanpur, sponsored by TEQIP-II, project of World Bank during September 28-29, 2013 as **Convener** at H.B.T.I., Kanpur.
9. Organized a **Workshop** on “*Advances in Soaps and Detergents*” organized by the Center of Excellence on Applied Research, Training and Education in Lipid Science, Department of Oil and Paint Technology, H.B.T.I., Kanpur, sponsored by TEQIP-II, project of World Bank during March 27- 28, 2014 as **Convener** at H.B.T.I., Kanpur.
10. Organized **Confluence-2014: A National Seminar** on “*Newer Technologies in Oil & Paint Industries*” organized by the Department of Oil and Paint Technology, H.B.T.I., Kanpur, during March 29-30, 2014 as **Faculty Convener** at H.B.T.I., Kanpur.
11. Organized a **Workshop** on “*Innovative Techniques in Vegetable Oil Processing*” under the Center of Excellence on Applied Research, Training and Education in Lipid Science, Department of Oil and Paint Technology, H.B.T.I., Kanpur, sponsored by TEQIP-II, project of World Bank during September 27- 28, 2014 as **Convener** at H.B.T.I., Kanpur.
12. Organized a **National Conference** on “*Newer Oleochemicals: Production and Industrial Applications*” under by the Center of Excellence on Applied Research, Training and Education in Lipid Science, Department of Oil and Paint Technology, H.B.T.I., Kanpur, sponsored by TEQIP-II, project of World Bank during January 10-11, 2015 as **Convener** at H.B.T.I., Kanpur.
13. Organized a **Workshop** on “*Opportunities and Challenges in Biofuels and Biolubricant*” under the Center of Excellence on Applied Research, Training and Education in Lipid Science, Department of Oil and Paint Technology, H.B.T.I., Kanpur, sponsored by TEQIP-II, project of World Bank during November 21-22, 2015as **Convener** at H.B.T.I., Kanpur.
14. Organized a practical training for “*Manufacturing Cosmetic Products*” under the Center of Excellence on Applied Research, Training and Education in Lipid Science,

Department of Oil and Paint Technology, H.B.T.I., Kanpur, sponsored by TEQIP-II, project of World Bank during during May30 - June 04, 2016 as **Convener** at H.B.T.I., Kanpur.

Sponsored project:

- Completed a project entitled “ *Production and Characterization of Biodiesel from Low Value Industrial By Products*” sponsored by A.I.C.T.E., New Delhi as Co- Principal Investigator

Any Other Achievements

1. Elected as **Hony. Treasurer** “*Oil Technologists’ Association of India (CZ)*” (August, 2003 – October, 2007).
2. Elected as **Hony. General Treasurer** “ *Oil Technologists’ Association of India (HQ)*” (December,2007 – December, 2009).
3. Elected as **Hony. General Secretary** “*Oil Technologists’ Association of India (HQ)*” (December,2009 – 31.03.2012).

Awards & Honours

1. Received best project award at B.Tech. level.
2. Received second prize in Oral paper presentation in the research session of International Conference on “Oils, Fats, Fuels and Surfactants” during Dec. 09-11, 2009 at New Delhi on the topic “Production of Biodiesel from Industrial By-Products at Pilot Scale”

Papers presented and published

1. Praveen K.S. Yadav and R.P. Singh; “*Industrial Applications of Mustard Oil and its Derivatives*” Brassica; Vol.5 No. 1&2, June, 2003 Pg.73-79.
2. Praveen K.S.Yadav, R.P. Singh and Onkar singh; Presented and Published “*Theoretical study of Jatropha and other vegetables oils as Biodiesel fuel Internal Combustion Engines*”; Proceeding’s of first International Conference on Renewable Energy during Oct. 6-8, 2004, Pg. ET-10-ET-13.

3. Praveen K.S. Yadav and R.P. Singh; Presented a paper on "*Industrial Application of Oleo chemicals derived from Mustard Oil*" in a Conference on Resource Development and Marketing Issues in Rapeseed Mustard, during March 28-29, 2005.
4. Praveen K.S.Yadav, R.P. Singh and Onkar singh; Presented a paper on "*Biodiesel: A Renewable Energy Source and A green Fuel*" in a Seminar on frontier Areas of Chemical Engineering Strategies for Future, during March 18-19, 2006.
5. Praveen K.S.Yadav, R.P. Singh and Onkar singh; Presented and published a paper on "*Biodiesel production Using Vegetable Oils and Low value Lipids as Feed stock*" in an International Conference on Challenges and Strategies for Sustainable Energy, Efficiency and Environment, during June, 10-11, 2006.
6. Praveen K.S.Yadav, R.P. Singh and Onkar singh; Presented Paper and Abstract published on the topic "*Production of Biodiesel from Industrial By-Products at Pilot Scale*" in proceeding's of International Conference on "Oils , Fats, Fuels and Surfactants" during Dec. 09-11, 2009 at New Delhi
7. Praveen K.S.Yadav, R.P. Singh and Onkar singh; Presented Paper and Abstract published in book of abstracts of 1st International Conference on "New Frontiers in Biofuels" on the topic "*Biodiesel Production from Soap-Stock and its Characterization*" during January 18-19, 2010 at New Delhi
8. Praveen K.S.Yadav, R.P. Singh and Onkar singh; "*Palm Fatty Acid Biodiesel: Process Optimization and Study of Reaction Kinetics*" Journal of Oleo Science , Vol.59, No.11 (2010).
9. Praveen K.S.Yadav, R.P. Singh and Onkar singh; "*Performance Test of Palm Fatty Acid Biodiesel on Compression Ignition Engine*" Journal of Petroleum Technology and Alternate Fuels, Vol. 1, 2010.
10. Rahul Shukla and P.K.S. Yadav; Theoretical study of biodiesel production from waste cooking oil using heterogeneous acid catalyst" Presented in National Conference on "*Newer Oleochemicals: Production and Industrial Applications*" during January 10-11, 2015 at H.B.T.I., Kanpur.
11. Nikhil Kumar Gupta, P.K.S. Yadav, Rajan Eadara and R.P. Singh; " Synthesis of Epoxy Resin From Waste Ricebran Oil" Journal of Polymers from Renewable Resources, Vol. 7, No. 1, 2016

Short term courses and Workshops attended

1. Attended one week short term Course on “*Application of Science and Technology for Community Development*” at TTTI, Chandigarh during June 02, 2003 to June 06, 2003.
2. Attended two weeks short Term course on “*Advances in Hydrocarban Engineering*” at I.I.T, Roorkee, Roorkee during June 23, 2003 to July 04, 2003.
3. Attended one week short term Course on “*Environment Economics & Environmental Impact Assessment*” at I.I.T., Kanpur during May 18-24, 2004.
4. Attended one week SERC school on “*Colloids & Interfaces; Fundaments & Research challenges*” at I.I.T., Kanpur. During February 7-11, 2005.
5. Attended one week short term course on “*Instrumental Analysis and Total Quality Management in Chemical Industries*” at Institute of Chemical Technology, Mumbai during March 24-28, 2008.
6. Attended one week workshop on “*Statistics for Engineers*” during July 2-6, 2012 at I.I.T., Kanpur.
7. Attended one week faculty development program on “*Perfumery & Cosmetics*” during February 22-28, 2014 at H.B.T.I., Kanpur
8. Attended one week faculty development program on “*Engineering Education: Opportunities, Challenges and Future Directions*” during March 7-12, 2014 at H.B.T.I., Kanpur.
9. Participated in the MHRD's *National Mission for Teachers and Administrators " Management Capacity Enhancement Programme* at Indian Institute of Management, Indore during August 24 - 30, 2015
10. Attended one week faculty development program on “*Advance Algorithms in Computing*” organized by the department of Computers Science and Engineering, H.B.T.I., Kanpur during January 25-30, 2016
11. Attended a workshop on "Intellectual Property Rights (IPR) and Patenting" organized under TEQIP-II, H.B.T.I., Kanpur and Engineering Staff College of India during August 27-29, 2016.

12. Attended a workshop on "Occupational Health and Safety Management Principles" organized under TEQIP-II, H.B.T.I., Kanpur and Engineering Staff College of India during October 3-5, 2016.

Consultancy Services:

1. Rendered consultancy to M/s B.L. Agro Oils Ltd. Bareilly, U.P.

Industrial Training:

1. Completed an Industrial Training at M/s Godrej Consumer Products Limited, Malanpur during July 1- 4, 2014.
2. Completed an Industrial Training at M/s Wipro Enterprises, SIDCUL, Haridwar organized by M/s Chemical Construction International (P) Ltd. during December 22-27, 2014.

Date:

(**P. K. S. Yadav**)

Place: Kanpur