



Curriculum Vitae of Dr. Payal

Education:

- Ph.D., Centre for Transportation Systems (CTRANS), Indian Institute of Technology Roorkee, Roorkee, India, 2014 on “Castor Oil Transesterification – Experimental and Modeling Studies”.
- Master of Science, Microbiology, Gurukul Kangri Vishwavidyalaya U.A., India, 1st Division, June 2006.
- Bachelor of Science, S.D. College Roorkee under C.C.S. University Meerut, U.P., India, 1st Division, June 2003.

Teaching and Research Experiences

1. Teaching Assistant (17 Oct 2016 – till now) Department of Microbiology, C. C. S. University Campus Meerut, India.
2. Ph.D. Student (02 August 2008 – 15 July 2014) Department of Chemistry (Centre for Transportation Systems), Indian Institute of Technology Roorkee, Roorkee, India.
3. Lecturer (August 2006 – Feb 2007) Department of Botany, K.L.D.A.V. PG. College Roorkee, India.

Achievements:

1. National Eligibility Test CSIR (**NET**) – June 2007 (**Life Sciences**).
2. Agricultural Scientists Recruitment Board (ASRB) – **NET** (Agricultural Microbiology) – **May 2017**.
3. Graduate Aptitude Test of Engineering (**GATE**) – 2006, 2007 (**Life Sciences**).

Awards/Fellowships:

Recipient of Ministry of Human Resources and Development (**M.H.R.D.**) fellowship during Ph.D.

Publications:

1. Payal Chaudhary, Brajesh Kumar, Surendra Kumar and V. K. Gupta Transesterification of Castor Oil with Methanol - Kinetic Modeling, Chem. Prod. Process Model, 10(2), 2015.
2. Payal Chaudhary, Ayushi Verma, Surendra Kumar and V.K. Gupta, Experimental design and optimization of castor oil transesterification process by response surface methodology, Biofuels, 8, 2016 (Journal of Taylor & Francis).
3. Atiya Banerjee, Devyani Varshney, Surendra Kumar, Payal Chaudhary, V. K. Gupta³ Biodiesel production from castor oil: ANN modeling and kinetic parameter estimation, International Journal of Industrial Chemistry, 10, 2017.
4. Savita Budania, Manju K Choudhary, Payal Chaudhary and Arunabh Joshi, Characterization of chickpea (*Cicer arietinum* L.) genotypes through morphological and RAPD analysis, International Journal of Chemical Studies, 7(5), 2019.
5. Priya Gupta, Manju K Choudhary, Jayshree Munot, Shakuntala Paliwal, Payal Chaudhary and Savita Budania, Genetic Diversity assessment of Safflower (*Carthamus tinctorius* L.) genotypes through morphological and RAPD Marker, Journal of Pharmacognosy and Phytochemistry, 8 (5), 2019.
6. Savita Budania, Shakuntala Paliwal, Jayshree Munot, Payal Chaudhary and Manju Chaudhary, Assessment of genetic diversity in coriander (*Coriandrum sativum* L.) genotypes through RAPD marker, 10 (6), 2019.

Book Chapter:

1. Dr. Payal Chaudhary, Positive Aspects of Yoga (Ashtanga Yoga), pp 96-97, Community Health through Physical Education and Yoga, ISBN 978-81-937106-4-7, 2019.
2. Dr. Payal Chaudhary, Yoga as a Health Tool for Women, pp142-143, Community Health through Physical Education and Yoga, ISBN 978-81-937106-4-7, 2019.
3. Payal Chaudhary, Influence of Pollution on Agriculture, Pollution and Population, pp 41-48, ISBN 978-81-939741, 2020.
4. Amit Kumar and Payal Chaudhary, COVID-19: Impact, Challenges and Implications in India, Covid-19s Impact on Agriculture Sector pp190-195, ISBN, 978-81-946476-0-7, 2020.
5. Payal Chaudhary, Savita Budania, COVID-19: Impact, Challenges and Implications in India, The Environmental Aspects of Covid -19, pp 420-428, 978-81-946476-0-7, 2020.

Paper presented in Conferences/ Seminar

1. Attended and paper presented on “**Performance and pollutant emissions from biodiesel and its blends to control environmental pollution**”, in National Seminar on Emerging Environment Concerns And Public Health, sponsored by Deptt. of higher education U.P. Organized By S.M.P. Govt. P.G. College, Madhavpuram Meerut, During Feb. 08, 2016.
2. Attended and paper presented on “**Performance of alternative biofuels in Indian scenario**”, in National Seminar on Emerging Environment Concerns and Public Health, sponsored by Deptt. of higher education U.P. Organized By S.M.P. Govt. P.G. College, Madhavpuram Meerut, during December 11 - 12, 2016.
3. Attended and paper presented on “**Performance and emission characteristics of diesel engine fuelled with Castor biodiesel**”, in International Conference on Technological Advancement for Sustainable Agriculture and Rural Development (TASARD – India, 2017) organized by Society for Plant Research (VEGETOS) & African-Asian Rural Development Organization (AARDO), during February 20 – 22, 2017.
4. Attended National Workshop on “**Identification of Mushrooms and their Cultivation**” organized by Department of Botany, Ch. Charan Singh University, Meerut on October -3, 2018.
5. Attended National Workshop on “**Status and Conservation of Medicinal and Aromatic Plants in India**” organized by Department of Botany, Ch. Charan Singh University, Meerut on Feb -21, 2019.
6. FDP on **E – Learning and Developing MOOCS for Teaching Process in Higher Education**, Department of Statistics & IQAC, Hindu College, University of Delhi, 14/12/2020 - 20/12/2020.
7. FDP on "**Usage of ICT in Education :Challenges and Opportunities DuringCOVID-19**", Department of Mathematics, CCSU Meerut, 02/07/2021 – 15/07/2021.

References

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Personal Details

- Date of birth 1 May 1983.
- Nationality- Indian.
- Gender – Female
- Languages known - Hindi, English
- Marital status: Married

Contact Details

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