

## Faculty Profile

<b>Faculty Name</b>	<b>Dr. VINOD KUMARI</b>
<b>Designation</b>	<b>ASSOCIATE PROFESSOR</b>
<b>Qualification</b>	<b>Ph.D , M.Phil, M.Sc, B.Ed</b>
<b>Email</b>	<b>vinodkumari.applied@piet.co.in, dahiyavinod123@gmail.com</b>
<b>Area of Interest</b>	<b>Nanotechnology, Organic Chemistry</b>
<b>Work Experience (Total)</b>	<b>15 years</b>
• Teaching	<b>15 years</b>
• Research	<b>7 years</b>
• Industry	
• Others	
<b>Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level</b>	<b>Engineering Chemistry</b>
<b>Membership of Professional Bodies</b>	<b>Life member of The Indian Society for Technical Education</b>
<b>Research Publications</b>	
• Research Papers UGC-CARE	
• Research Papers SCOPUS	<b>03</b>
• Research Papers WoS/SCI/ABDC	<b>02</b>
• List of Publications	• Kumari, V., Sangal, A., & Mehta, R. (2021). Kinetic Release Study of Arjuna Terminalia filled Poly Lactic-co-Glycolic Acid (PLGA) Nanoparticles. <i>Trends in Biomaterials &amp; Artificial</i>

	<p><i>Organs</i>, 35(1), 10-14. Retrieved from <a href="https://biomaterials.org.in/tibao/index.php/tibao/article/view/403">https://biomaterials.org.in/tibao/index.php/tibao/article/view/403</a></p> <ul style="list-style-type: none"> <li>• Kumari, V., &amp; Sangal, A. (2020). Antimicrobial study of Arjuna Terminalia loaded PLGA nanoparticle. <i>Indian Journal of Biochemistry &amp; Biophysics</i>.2020; Vol. 57, June 2020, pp. 291-297. ISSN NO: 0975-0959 (Online); 0301-1208 (Print) URL: <a href="http://nopr.niscair.res.in/handle/123456789/54469">http://nopr.niscair.res.in/handle/123456789/54469</a></li> <li>• Vinod Kumari, Aditi Sangal. Study of Antimicrobial activity of Star Anise loaded poly (DL-lactide-co-glycolide) nanoparticles. <i>Research J. Pharm. and Tech</i> 2019; 12(2):499-507. ISSN NO: 0974-3618 (Print) 0974-360X (Online) DOI: 10.5958/0974-360X.2019.00088.X</li> <li>• Vinod Kumari, Aditi Sangal. Synthesis, Characterization, Antimicrobial activity and Release Study of Cinnamon loaded poly (DL-lactide-co-glycolide) Nanoparticles. <i>Research J. Pharm. and Tech</i>. 2019; 12(4):1529-1535. ISSN NO: 0974-3618 (Print) 0974-360X (Online) DOI: 10.5958/0974-360X.2019.00253.1</li> <li>• Kumari, V., &amp; Sangal, A. (2018). Preparation, Characterization and Optimization of Cinnamon-Loaded PLGA Nanoparticles. In <i>Green Chemistry in Environmental Sustainability and Chemical Education</i> (pp. 219-224). Springer, Singapore.</li> </ul>
<b>Book and Chapter Publications</b>	
<ul style="list-style-type: none"> <li>• Books Authored published by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Books Authored published by National Publishers</li> </ul>	<b>Engineering Chemistry by V.K Dahiya, Published by Vayu Publications.</b>
<ul style="list-style-type: none"> <li>• Publication of Chapter in Edited Books</li> </ul>	

<ul style="list-style-type: none"> <li>• Editor of Book by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Editor of Book by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Translation Work of Book</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Book and Chapter Publications</li> </ul>	
<b>Patents</b>	
<ul style="list-style-type: none"> <li>• Published</li> </ul>	
<ul style="list-style-type: none"> <li>• List of published patent(s)</li> </ul>	
<ul style="list-style-type: none"> <li>• Filed</li> </ul>	Sangal, A., Rattan, S. and Vinod Kumari, Novel herbal formulation containing polymeric nanoparticles loaded with Terminalia Arjuna for enhanced broad spectrum antimicrobial activity to treat skin disorders, Indian patent Application No. 202111036022 filed on 10/08/21
<ul style="list-style-type: none"> <li>• List of filed patent(s)</li> </ul>	
<b>PhD Guidance</b>	
<ul style="list-style-type: none"> <li>• Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>• Thesis Submitted</li> </ul>	
<b>M.Tech. Guidance</b>	
<ul style="list-style-type: none"> <li>• Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>• Thesis Submitted</li> </ul>	
<b>Research Project</b>	
<ul style="list-style-type: none"> <li>• List of Research</li> </ul>	

project	
<b>Consultancy</b>	
<ul style="list-style-type: none"> <li>List of Consultancy</li> </ul>	
<b>Awards &amp; Honours</b>	
<ul style="list-style-type: none"> <li>List of Awards &amp; Honours</li> </ul>	<ol style="list-style-type: none"> <li>Rewarded with best teacher award on 5th September, 2017 by Dainik Bhaskar.</li> <li>Received Letter of Appreciation (Excellent Teacher based on Students Feedback) consequently for five years, 2017 to 2021</li> <li>Student Editor of the Science section of 'PANKAJ', College magazine of Hindu College, Sonipat.</li> </ol>
<b>Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference</b>	
<ul style="list-style-type: none"> <li>International (Abroad)</li> </ul>	-
<ul style="list-style-type: none"> <li>International (Within Country)</li> </ul>	<b>06</b>
<ul style="list-style-type: none"> <li>National</li> </ul>	<b>10</b>
<ul style="list-style-type: none"> <li>List of published papers</li> </ul>	<ul style="list-style-type: none"> <li>Kumari, V., &amp; Sangal, A. (2019). Antimicrobial Study of Berberis Aristata loaded Poly (DL-Lactide-co-Glycolide) PLGA Nanoparticles. In International Conference on Physical, Mathematical/Statistical, Chemical Sciences and emerging Energy Technology for Sustainable Development (PMSCSET-2019) on December 14,2019 Organized by: "Krishi Sanskriti"</li> <li>Kumari, V., &amp; Sangal, A. (2019). Greener Synthesis of Herbal Nanoparticles: A Way to Cleaner Environment. In International</li> </ul>

	<p>Conference on Recent Trends in Materials and devices (ICRTMD), on December 18-19, 2019 Organized by: “Amity University, Noida”.</p> <ul style="list-style-type: none"><li>• Kumari, V., &amp; Sangal, A. (2019). Nanoencapsulation of Terminalia arjuna using poly(DL-Lactide-co-Glycolide) PLGA for Antimicrobial Delivery Applications. In 2nd International Conference on Innovations in Chemical, Biological &amp; Environmental Sciences, on February 27-28, 2019.</li><li>• Kumari, V., &amp; Sangal, A. (2017). Release kinetic study of cinnamon loaded PLGA Nanoparticles. in the National Conference on Recent Development in Science and technology in Modern Era held on December 15,2017 at Arya PG College , Panipat</li><li>• Kumari, V., &amp; Sangal, A. (2017). Preparation, Characterization and in vitro drug release studies of Star Anise encapsulated PLGA Nanoparticles in the Thematic Conference on “Sustainable Chemistry” held from May 15-16, 2017 at IIT Ropar, Rupnagar.</li><li>• Kumari, V., &amp; Sangal, A. (2017). Preparation, Characterization Cinnamon loaded PLGA Nanoparticles in the International Conference on “Innovation and Trends to support make in India” held from March 25-26,2017 at NCCE, Israna.</li><li>• Kumari, V., &amp; Sangal, A. (2017). Optimisation and in-vitro release study of Cinnamon loaded PLGA Nanoparticles in the National Seminar on “Biomedical Engineering, Food and Fermentation Technology” held on March 28, 2017 at Jamia Hamdard, New Delhi.</li><li>• Kumari, V., &amp; Sangal, A. (2017). Preparation, Characterization and Optimization of Cinnamon-Loaded PLGA Nanoparticles. in the International Conference on “Green Chemistry in Environmental Sustainability and Chemical Education” held</li></ul>
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from November 17-18, 2016 at Daulat Ram College, University of Delhi, Delhi.

- Kumari, V., & Sangal, A. (2017). Nanotechnology: Its uses and adverse effects in the National Conference on “Digital Disruption: The Challenges and Opportunities” held on June 30,2017 at Panipat Institute Of technology and Management, Panipat.
- Kumari Vinod. (2013). Techniques used for Nanoformulation of herbal plants in the National Conference on “Recent Advances in Chemical Sciences” held on February 24-26,2013 at Arya PG College, Panipat.
- Kumari Vinod. (2012). Green Chemistry- Recent advancement In the Science and Technology in the National Conference on “Recent Advances in Chemistry and their impact on Environment” held on February 4-5,2012 at Arya PG College, Panipat.
- Kumari Vinod. (2012). Nanotechnology: It’s implementation in Medicinal Chemistry. In National Conference on “Recent Advances in Engineering Technology and Environmental Issues” held on February 22-24, 2012 at JC DL College of Engineering, Sirsa, India.
- Kumari Vinod. (2010). Infectious Disease risks from Dead Bodies after Natural Disasters in the National Conference on “Medical Biotechnology-Vision 2020” held at Advance centre for Biotechnology, Maharishi Dayanand University, Rohtak from April 16-18, 2010.
- Kumari Vinod. (2010). Causes, Effects and remedies of noise pollution in the National Seminar on “Environmental Challenges: Sustainable development” held at Department of Environment Studies, Maharishi Dayanand University, Rohtak from March 29-30, 2010.

	<ul style="list-style-type: none"> <li>• Kumari Vinod. (2010). Impact of Teaching Methods Implementing in Technical Institutions on Industry and Society. In National Conference on “Uniformity in Curriculum Development of Engineering Sciences” held on March 06, 2010 at TERII Group of Institutions, Kurukshetra, India.</li> <li>• Kumari Vinod. (2010). “PVC: A Threat to the Environment” in National Conference on “Environmental Degradation: Effects, Challenges and Remedies” held from 25th to 27th February, 2010 at JCDL College of Engineering, Sirsa, India.</li> </ul>
<b>Organizing National Conference/ International Conference/ FDP/STTP</b>	
<ul style="list-style-type: none"> <li>• List of Conference/FDP/STTP committee</li> </ul>	
<b>Social Contributions and Sports</b>	
<ul style="list-style-type: none"> <li>• List of Social Contributions and Sports</li> </ul>	<p><b>Social Contribution – Providing free education to the poor and Needful, through Youtube Channel (<a href="https://www.youtube.com/channel/UCje5Cw9KAdKCdyQxEIByj8g">https://www.youtube.com/channel/UCje5Cw9KAdKCdyQxEIByj8g</a>)</b></p> <p><b>Also Educating a Girl Child.</b></p>