

## CURRICULUM VITAE

### **Dr. Dinesh Kumar Patel**

#### **Address for correspondence:**

Dr. Dinesh Kumar Patel  
Sam Higginbottom University of Agriculture, Technology and  
Sciences, Prayagraj 211007, Uttar Pradesh, India  
Date of Birth: 30/12/1982  
Mobile: +919919192440  
E-mail: [dkp.itbhu@gmail.com](mailto:dkp.itbhu@gmail.com)



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| <b>Research Interest</b>           | As an independent researcher and a faculty, my interest is to establish a collaborative research program dedicated to understanding the various form of diabetes induced macro and micro vascular complication, so that better drug candidates can be developed from the natural sources for the treatment of diabetes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Professional Experience</b>     | 1. Presently working in the Department of Pharmaceutical sciences, Shalom Institute of Health and Allied Sciences, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj 211007, Uttar Pradesh, India from September 2016 to till date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Professional qualification:</b> | 1. <b>Ph.D. (2012):</b> Department of Pharmaceutics, Indian Institute of Technology, Banaras Hindu University ( <b>IIT-BHU</b> ), Varanasi, U.P., India.<br>2. <b>M. Pharm (2007):</b> First Class from J.S.S. College of Pharmacy, Ooty, T.N., India.<br>3. <b>B. Pharm (2004):</b> First Class from Guru Ghasidas Central University Bilaspur, C.G., India.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Achievements &amp; awards:</b>  | <ul style="list-style-type: none"><li>➤ Listed in top 2% scientist list in 2020 and 2021.</li><li>➤ Published <b>110 papers</b> in peer review Journals with<ul style="list-style-type: none"><li>• Total No. of Citations: <b>4766 (Google Scholar)</b></li><li>• H index: <b>32 (Google Scholar)</b></li><li>• I<sub>10</sub> Index: <b>58 (Google Scholar)</b></li></ul></li><li>➤ Total No. of papers communicated in referred journals: <b>08</b></li><li>➤ Total No. of Abstract presented in National/International conferences (<b>India</b>): <b>20</b></li><li>➤ Total No. of Abstract presented in abroad (Outside India): <b>100</b></li><li>➤ Total No. of International Awards: <b>20</b></li><li>➤ Total no. of Workshop/Conferences attended: <b>15</b></li><li>➤ Published <b>04 Book Chapters</b>.</li><li>➤ Received <b>UGC-JRF</b> during 2008-2009.</li><li>➤ Received <b>UGC-SRF</b> during 2009-2012.</li><li>➤ <b>Two years Research assistantship</b> at Department of Pharmaceutics, <b>IIT-BHU</b>, Varanasi, during Ph.D. (January, 2008 to June, 2010).</li><li>➤ Qualified Graduate Aptitude Test in Engineering (<b>GATE</b>), in year 2007.</li><li>➤ Research Guidance: <b>PhD</b> (04 ongoing), <b>M. Pharm</b>: 01 Completed.</li><li>➤ Bentham Science Ambassador for 2019-2020.</li><li>➤ Editorial Board Member and Section Editor [Bentham Science Journal]</li><li>➤ Reviewer of various <b>peer reviewed</b> journals.</li><li>➤ <b>Google scholar Link:</b><br/><a href="https://scholar.google.com/citations?hl=en&amp;user=Ycshm_UAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=Ycshm_UAAAAJ</a></li><li>➤ <b>Mendeley scholar link:</b><br/><a href="https://www.mendeley.com/profiles/dinesh-kumar-patel4/publications/">https://www.mendeley.com/profiles/dinesh-kumar-patel4/publications/</a></li><li>➤ <b>Scopus Profile detail</b></li></ul> |

<https://www.scopus.com/authid/detail.uri?authorId=55070177700>

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| <b>Research Skills:</b>       | <ol style="list-style-type: none"> <li>1. Have relevant and up to date knowledge in the field of Pharmacognosy and Phytochemistry.</li> <li>2. Proficient in the use of UV, FT-IR, HPLC, and HPTLC techniques. Performed isolation of pure Phytoconstituents from natural sources.</li> <li>3. Was actively involved in the research activities in Centre for Advanced Drug Research and Testing (CADRAT), and TIFAC Centre of Relevance and Excellence (CORE) in Herbal Drugs, JSS College of Pharmacy Ooty, T.N., India during post graduation.</li> <li>4. Expertise hand in MS Office, Chemdraw and Graph Pad Prism.</li> <li>5. Expertise hand in literature search and data collection using various search platforms such as SciFinder, Pubmed and Web of Knowledge etc.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Strength:</b>              | Hard worker, Team leadership, Dedication, Adaptability.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Major research work/</b>   | <ol style="list-style-type: none"> <li>1. Investigation of Antidiabetic potential of some Indian Medicinal plants (<b>Ph.D.</b> dissertation program)</li> <li>2. Development and Standardization of Polyherbal Formulation and Screening for its Antidiabetic and Antioxidant activity (<b>M. Pharm</b> dissertation program)</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Selected Publications:</b> | <ol style="list-style-type: none"> <li>1. <b>D. K. Patel</b>, R. Kumar, D. Laloo, S. Hemalatha. Evaluation of phytochemical and antioxidant activities of the different fractions of <i>Hybanthus enneaspermus</i> (Linn.) F. Muell. (Violaceae). Asian Pac J Trop Med, 2011; 4(5):412-420 [Elsevier].</li> <li>2. <b>D. K. Patel</b>, S. K. Prasad, R. Kumar, S. Hemalatha. An overview on antidiabetic medicinal plants having insulin mimetic property. Asian Pac J Trop Biomed, 2012; 2(4): 320-330. [Elsevier].</li> <li>3. <b>D. K. Patel</b>, R. Kumar, S.K. Prasad, K. Sairam, S. Hemalatha. Antidiabetic and in vitro antioxidant potential of <i>Hybanthus enneaspermus</i> linn f. muell in streptozotocin-induced-diabetic rats. Asian Pac J Trop Biomed, 2011; 1(4): 316-322. [Elsevier].</li> <li>4. <b>D. K. Patel</b>, R. Kumar, K. Sairam, S. Hemalatha. Aldose reductase inhibitory activity of different fraction of <i>Pedaliium Murex</i> Linn fruits in rat lens. Chin J Integr Med, 2012[Accepted] [Springer].</li> <li>5. <b>D. K. Patel</b>, D. Laloo, S. Krishnamurthy, S. Hemalatha. Antidiabetic, antioxidant and lipid-lowering activity of <i>Hybanthus enneaspermus</i> (L.) F. Mull. in streptozotocin-nicotinamide induced Type-2 diabetic rats. Chin J Integr Med, 2012 [Accepted] [Springer].</li> <li>6. <b>D. K. Patel</b>, R. Kumar, D. Laloo, S. Hemalatha. Diabetes mellitus: an overview on its pharmacological aspects and reported medicinal plants having antidiabetic activity. Asian Pac J Trop Biomed, 2012; 2(5): 411-420 [Elsevier].</li> <li>7. <b>D.K. Patel</b>, R. Kumar, K. Sairam, S. Hemalatha. Pharmacologically tested aldose reductase inhibitors isolated from plant sources-A concise report. Chin J Nat Med, 2012, 10(5): 388-400 [Elsevier].</li> <li>8. <b>D.K. Patel</b>, K. Patel, S.P. Dhanabal. Standardization of <i>Berberis aristata</i> extract through conventional and modern HPTLC techniques. Asian Pac J Trop Dis, 2012; 2(1):S136-140 [Elsevier].</li> <li>9. R. Kumar, <b>D. K. Patel</b>, S.K. Prasad, D. Laloo, S. Krishnamurthy, S. Hemalatha. Type 2 antidiabetic activity of bergenin from the roots of <i>Caesalpinia digyna</i> Rottler. Fitoterapia. 2012, 83:395-401 [Elsevier].</li> <li>10. K. Patel, M. Rahman, V. Kumar, A. Verma, <b>D. K. Patel</b>. Visnagin: A New Perspective of Medicinal Importance, Physiological Functions, Phytochemistry, Pharmacology and Analytical Aspects of Active Phytoconstituents of <i>Ammi visnaga</i> The Natural Products Journal, 2019: 9(3): 197-206 [Bentham Science][ISSN: 2210-</li> </ol> |

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|                                                                                                                                                                                                                        | <ol style="list-style-type: none"> <li>11. K. Patel, V. Kumar, A. Verma, M. Rahman, <b>D. K. Patel</b>. Amarogentin as topical anticancer and anti-infective potential: Scope of lipid based vesicular in its effective delivery Recent Patents on Anti-Infective Drug Discovery, 2019; 14(1):7-15 [Bentham Science].</li> <li>12. K Patel, V. Kumar, M. Rahman, A. Verma, <b>D. K Patel</b>. New insights into the medicinal importance, physiological functions and bioanalytical aspects of an important bioactive compound of foods ‘Hyperin’: Health benefits of the past, the present, the future Beni-Suef University Journal of Basic and Applied Sciences. 2018, 7 (1), 31-42 [Elsevier] [ISSN: 2314-8535].</li> <li>13. V. Kumar, G. Kaithwas, F. Anwar, M. Rahman, <b>D. K. Patel</b>, Y. Singh, A. Verma. Effect of Variable Doses of <i>Paederia foetida</i> L. Combat Against Experimentally-Induced Systemic and Topical Inflammation in Wistar Rats Current Bioactive Compounds, 2018, 14 (1), 70-79 [Bentham Science].</li> <li>14. K. Patel, V. Kumar, A. Verma, M. Rahman, <b>D. K. Patel</b>. <math>\beta</math>-sitosterol: Bioactive Compounds in Foods, their Role in Health Promotion and Disease Prevention “A Concise Report of its Phytopharmaceutical Importance” Current Traditional Medicine. 2017, 3(3):168-177 [Bentham Science].</li> <li>15. M. Rahman, S. Beg, A. Verma, I. Kazmi, <b>D. K. Patel</b>, F. Anwar, Al. Abbasi FA, V. Kumar. Therapeutic Applications of Liposomal Based Drug Delivery and Drug Targeting for Immune Linked Inflammatory Maladies: A Contemporary View Point Current drug targets. 2017,18(13):1558-1571 [Bentham Science].</li> <li>16. P. Pandey, P. C. Bhatt, M. Rahman, <b>D. K. Patel</b>, F. Anwar, F. Al-Abbasi, A. Verma, V. Kumar. Preclinical renal chemo-protective potential of <i>Prunus amygdalus</i> Batsch seed coat via alteration of multiple molecular pathways. Archives of physiology and biochemistry. 2018, 124(1): 88-96 [Taylor &amp; Francis].</li> <li>17. V. Kumar, P. C. Bhatt, K. Sharma, M. Rahman, <b>D. K. Patel</b>, N. Sethi, A. Kumar, N. K. Sachan, G. Kaithwas, F. A. Al-abbasi, F. Anwar, A. Verma. <i>Melastoma malabathricum</i> Linn attenuates complete freund’s adjuvant-induced chronic inflammation in Wistar rats via inflammation response BMC complementary and alternative medicine. 2016, 16(1): 510 [BMC Part of Springer Nature].</li> <li>18. A Verma, B Ahmed, F Anwar, M Rahman, <b>DK Patel</b>, G Kaithwas, R Rani, PC Bhatt, V Kumar. Novel glycoside from <i>Wedelia calendulacea</i> inhibits diethyl nitrosamine-induced renal cancer via downregulating the COX-2 and PEG2 through nuclear factor-<math>\kappa</math>B pathway. Inflammopharmacology. 2017, 25(1):159-175 [Springer].</li> </ol> |
| <b>Membership:</b>                                                                                                                                                                                                     | <ol style="list-style-type: none"> <li>1. Life Member of Indian Pharmacy Graduate Association (IPGA).</li> <li>2. Registered Pharmacist in Pharmacy Council of Indian U.P. Branch.</li> <li>3. Member of Pharmaceutical Society, IIT-BHU, Varanasi, India.</li> <li>4. Member of American Chemical Society.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Event (Organized/active members)</b>                                                                                                                                                                                | <ol style="list-style-type: none"> <li>1. Organized one national level event “<b>Elixir 19</b>” being a Co-ordinator.</li> <li>2. Active member of organizing committee in <b>59<sup>th</sup> IPC-2010</b>, IIT-BHU, Varanasi, India.</li> <li>3. Active member of organizing committee in <b>RAPS-2010</b>, IIT-BHU, Varanasi, India.</li> <li>4. Active member of organizing committee in <b>59<sup>th</sup> IPC-2010</b>, IIT-BHU, Varanasi, India.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>References:</b>                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dr. S. P. Dhanabal</b><br>Professor & Head<br>JSS college of Pharmacy, Ooty-643001, India.<br>E- mail: <a href="mailto:dhanskanaksahil@rediffmail.com">dhanskanaksahil@rediffmail.com</a><br>Contact No.09443095697 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### **Declaration**

I hereby declare that all the information given above is correct to best of my knowledge.

Date: 25/03/2023

Place: Prayagraj, India

**Dr. Dinesh Kumar Patel**