

## Brief Biodata

Name of the Candidate: Dr. Mahesh Kumar  
 Date of Birth (dd/mm/yy): 02-01-1980  
 Father's Name: Sh. Dalip Singh  
 Mother's Name: Smt. Savitri Devi  
 Address:  
 Corresponding & Permanent: VPO-Bodia Kamal Pur, Distt. Rewari, Haryana.  
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 Marital Status (Yes/No): Yes  
 Nationality: Indian  
 Medal/Prize: Select for AICTE fellowship during M.Pharmacy (GJU&ST, Hisar)  
 Project Awarded: A major research project of Rs. 14,15,000/- has been awarded by UGC, New Delhi.

### Educational Qualifications

| Degree                    | Mode of Education   | Year of Passing | University/Institute    | Percentage (%) | Division        |
|---------------------------|---|-----------------|-------------------------|----------------|-----------------|
| Ph.D.                     | Regular   | 2013            | M. D. U., Rohtak        |                |                 |
| P.G.                      | Regular   | 2006            | G. J. U. S. & T., Hisar | 60.40          | 1 <sup>st</sup> |
| U.G.                      | Regular   | 2004            | G. J. U. S. & T., Hisar | 60.04          | 1 <sup>st</sup> |
| 12 <sup>th</sup>          | Regular   | 1997            | HBSC, Bhiwani           | 52.00          | 2 <sup>nd</sup> |
| 10 <sup>th</sup>          | Regular   | 1995            | HBSC, Bhiwani           | 51.33          | 2 <sup>nd</sup> |
| Topic of research in Ph.D | "Synthesis and biological evaluation of novel isatin derivatives" |                 |                         |                |                 |

### Teaching Experience:

| Designation              | Institution Served                       | Duration   |                      |
|--------------------------|--|------------|----------------------|
|                          |  | From       | To                   |
| Lecturer                 | Alwar Pharmacy College, Alwar, Rajasthan | 01-09-2006 | 02-03-2008           |
| Assistant Professor      | M. D. University, Rohtak, Haryana        | 08-07-2008 | Till Now             |
| <b>Total Experience:</b> |  |            | 10 Years & 11 Months |

### Research Students

| Registered no. of students for Ph.D and M.Pharm. | Ph.D. | M.Pharm. |
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|  | 02    | 11       |

## Publications

| Sr. No. | Research Article  |
|---------|---|
| 1.      | Mohamed Ashraf Ali, Mohammad Shaharyar, <b>Mahesh Kumar</b> and Ganesan Suresh Pandian “Synthesis and antitubercular activity of substituted novel pyrazoline derivatives” Nat. Prod. Res. 2007, 21(7), 575-9.  |
| 2       | Deep, A., Kumar, P., Kannappan, N., Verma, P., <b>Kumar, M.</b> “Anti-inflammatory activity of novel derivatives of hydrazide- hydrazone”. Pharmacologyonline. 2009: 2:753-757.   |
| 3       | Madhukar, A., Kannappana, N., Deep, A., Kumar, P., <b>Kumar, M.</b> , Verma, P. “Synthesis and antimicrobial studies of biphenyl-4-carboxylic acid 2-(aryl)-4-oxo-thiazolidin-3-yl –amide” Int. J. Chem Tech Res. 2009:1(4): 1376-1380.   |
| 4       | Deep, A., Jain, S., Sharma, P.C., Verma, P., <b>Kumar, M.</b> Dora, C.P. “Design and biological evaluation of biphenyl-4-carboxylic acid hydrazide-hydrazone for antimicrobial activity”. Acta Pol. Pharm. 2010: 67(3): 255-259.  |
| 5       | Prabhakar Verma, Vipam kamboj, , Sudhir Ranjan, <b>K. Mahesh.</b> “Anti-Inflammatory and Analgesic activity of of aqueous extract of Trichosanthes bracteata fruits in animal model” Pharmacologyonline. 2010:1:8-16.   |
| 6       | <b>Kumar, M.</b> , Jain, S., Deep, A., “Syntheses and antimicrobial studies of novel 2, 3-disubstituted-4-thiazolidinone”. Lat. Am. J. Pharm. 2011:30(2):388-91.  |
| 7       | <b>Kumar, M.</b> , Jain, S., Deep, A., Phogat, P., “Synthesis and in vitro antimicrobial activity of novel hydrazide-hydrazone derivatives of dodecanoic acid” Lat. Am. J. Pharm. 2011:30(7): 1428-31.  |
| 8       | Deep, A., Phogat, P., <b>Kumar, M.</b> , Kakkar, S., Mittal, S. K., Malhotra, M., “New tetradecanoic acid hydrazones in the search for antifungal agents: Synthesis and in vitro evaluations”. Acta Pol. Pharm. Drug Res. 2012:69: (1) 129-133.   |
| 9       | Kumar, R., Kumar, P., <b>Kumar, M.</b> , Narasimhan, B., “Synthesis, anti-microbial evaluation, and QSAR studies of 4-amino-3-hydroxy-naphthalene-1-sulfonic acid derivatives”. Med Chem Res. 2012, (21) 4301–4310.   |
| 10      | Jain, S., Kumar, A., <b>Kumar, M.</b> , Jain, N., “Synthesis and antibacterial studies of 2-aryl-3-alkanamido-4H-thiazolidin-4-one derivatives”. Arabian Journal of Chemistry. (In Press)   |
| 11      | <b>M. Kumar</b> , B. Narasimhan, K. Ramasamy, V. Mani, R. K. Mishra, A.B.A. Majeed, E. De Clercq, J. Balzarini, C. Pannecouque. “4-(1-aryl-2-oxo-1,2-dihydro-indol-3-ylideneamino)-N-substituted benzene sulphonamides: Synthesis, antimicrobial, anticancer, antiviral evaluation and QSAR studies” Arab J Chem, 2014, 7 (4), 396– |

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|    | 408.  |
| 12 | <b>M. Kumar</b> , B. Narasimhan, K. Ramasamy, V. Mani, R. K. Mishra, A.B.A. Majeed. "4-(1-Aroyl-5-chloro-2-oxo-1,2-dihydro-indol-3-ylideneamino)-N-substituted benzene sulphonamides: Synthesis, antimicrobial, anticancer, antiviral evaluation and QSAR studies" Arab J Chem, 2014, 7 (4), 436–447. |
| 13 | M. Saini. P. Kumar. <b>M. Kumar</b> . B. Narasimhan. K. Ramasamy. V. Mani. R. K. Mishra. A. B. A. Majeed." Synthesis, in vitro antimicrobial, anticancer evaluation and QSAR studies of N'-(substituted)-4-(butan-2ylideneamino)benzohydrazides". Accepted in Medicinal Chemistry Research.           |
| 14 | <b>M. Kumar</b> , B. Narasimhan, K. Ramasamy, V. Mani, R. K. Mishra, A.B.A. Majeed. "4-(1-aroyl-5-halo-2-oxo-1,2-dihydro-indol-3-ylideneamino)-N-substituted benzene sulphonamides: Synthesis, antimicrobial, anticancer, antiviral evaluation and QSAR studies" Arab J Chem, 2014, 7 (4), 448-460.   |
| 15 | <b>Mahesh Kumar</b> , Jagbir Singh, Akash Deep, Rani Mansuri. "homology modeling and e-pharmacophore mapping of dihydropteroate synthase 1 enzyme of mycobacterium leprae". Accepted in World journal of Pharmaceutical research.   |
| 16 | Jagbir Singh, Rani Mansuri, Ganesh Chandra Sahoo, <b>Mahesh Kumar</b> , "3-D QSAR modelling of benzoxazole benzenesulfonamide substituted derivatives and feature based inhibitor identification as intidiabetic agent" Accepted in International Journal of Chemical Studies.                        |
| 17 | Jagbir Singh, <b>Mahesh Kumar</b> , Rani Mansuri, Ganesh Chandra Sahoo, Aakash Deep, "Inhibitor designing, virtual screening and docking studies for methyltransferase: A potential target against dengue viruse" Accepted in Journal of Pharmacy And Bioallied Sciences.                             |

### Published/ Participation in Conference/Seminar Proceedings

| Sr. No. | Conference/Seminar  |
|---------|---|
| 1       | Attended an AICTE Sponsored National Seminar on "Management of Alzheimer's Disease" was organized by Department of Pharmaceutical Sciences Guru Jambheshwar University, Hisar (Haryana) from 22 - 23 August, 2003.  |
| 2       | Presented a poster in national seminar, organized by APTI on theme "Trasdemaal drug delivery technology and its present status in drug delivery system", on topic "Emergent trends in drug discovery and formulation development" at Jan Nayak Ch. Devi Lal Memorial College of Pharmacy, Sirsa on Feb. 2009. |
| 3       | Presented a poster on the topic entitled "Anti-inglammatory and analgesic activity of   |

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|           | the aqueous extract of <i>Trichosanthes palmate</i> fruits”, in national seminar organised by IPGA on theme entitled “Challenges and Opportunities for Pharmacy Graduates in 21 <sup>st</sup> Century” at I.S.F. College of Pharmacy, Moga, Punjab, on 7 <sup>th</sup> -8 <sup>th</sup> Nov. 2009.   |
| <b>4</b>  | Presented an oral presentation on 4-(1-aryyl-2-oxo-1,2-dihydro-indol-3-ylideneamino)- <i>N</i> -substituted benzene sulphonamides: Synthesis, antimicrobial, anticancer, antiviral evaluation and QSAR studies, in the three-days “6 <sup>th</sup> National Conference on Thermodynamics of Chemical and Biological systems” held at department of chemistry, M.D.University, Rohtak, on November 2-4,2011.  |
| <b>5</b>  | Attended a MDU Rohtak & CSIR, New Delhi Sponsored National Seminar on “Challenging in Combating Disease: Cause to Cure” was organized by Department of Zoology, Maharishi Dayanand University, Rohtak (Haryana) on March 23, 2012.   |
| <b>6</b>  | Attended an International Seminar on theme entailed “Perspective and Challenges in Pharmacy and Health Care System” was organized by Manav Institute of Pharmacy (MIP) VPO-Jewra, Hisar (Haryana) on 21 <sup>st</sup> – 23 <sup>rd</sup> September, 2012.  |
| <b>7</b>  | Attended a National Seminar on “Latest Developments in Pharmacognosy & Herbal Formulations” was organized by Faculty of pharmacy, RPIIT technical campus, Karnal (Haryana) on 28 <sup>th</sup> September, 2012.  |
| <b>8</b>  | Attended as member of organizing committee in two days workshop on “Personality Development, Communication Skill and Resume Writing” was sponsored by Career Coucelling and Placement Cell and organized by Department of Pharmaceutical Sciences, Maharishi Dayanand University, Rohtak (Haryana) on March 22 & 23, 2013  |
| <b>9</b>  | Attended as member of organizing committee in two days workshop on “Instrumental Methods in Pharmaceutical Research” was sponsored by Dean Student Welfare and organized by Department of Pharmaceutical Sciences, Maharishi Dayanand University, Rohtak (Haryana) on November 28, 2013  |
| <b>10</b> | Attended as member of organizing committee in three days Zonal Youth Festival/Folk Festival was organized by Dean Student Welfare, Maharishi Dayanand University, Rohtak (Haryana) on March 8-10, 2013   |
| <b>11</b> | Attended as member of organizing committee in 18 <sup>th</sup> Annual Convention of Society of Pharmacognosy – ISP 2014, on “Promotion and Globalization of Indian Herbal Products- Perspectives and Prospects” organized by Department of Pharmaceutical Rohtak, Maharishi Dayanand University, Rohtak (Haryana) on 21 <sup>st</sup> to 22 <sup>nd</sup> Feb. 2014.   |
| <b>12</b> | Presented poster on the topic entitled “Design, synthesis, antimicrobial and anticancer evaluation of 4-(2-amino-6-(4-nitrophenyl)-4,5-dihydropyrimidin-4-yl)phenol derivatives”, in 18 <sup>th</sup> Annual Convention of Society of Pharmacognosy – ISP 2014, on the theme entitled “Promotion and Globalization of Indian Herbal Products- Perspectives and Prospects” organized by Department of Pharmaceutical Rohtak, Maharishi Dayanand University, Rohtak (Haryana) on 21 <sup>st</sup> to 22 <sup>nd</sup> Feb. 2014. |
| <b>13</b> | Presented a poster on the topic entitled “Docking and scoring: Heart of computational drug designing”, in 18 <sup>th</sup> Annual Convention of Society of Pharmacognosy – ISP 2014, on the theme entitled “Promotion and Globalization of Indian Herbal Products- Perspectives and Prospects” organized by Department of Pharmaceutical Rohtak, Maharishi Dayanand University, Rohtak (Haryana) on 21 <sup>st</sup> to 22 <sup>nd</sup> Feb. 2014.  |

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| <b>14</b> | Presented a poster on the topic entitled “DNA barcoding as a tool to detect adulterants and biological contaminants”, in 18 <sup>th</sup> Annual Convention of Society of Pharmacognosy – ISP 2014, on the theme entitled “Promotion and Globalization of Indian Herbal Products- Perspectives and Prospects” organized by Department of Pharmaceutical Rohtak, Maharishi Dayanand University, Rohtak (Haryana) on 21 <sup>st</sup> to 22 <sup>nd</sup> Feb. 2014.                                      |
| <b>15</b> | Presented a poster on the topic entitled “Design, synthesis, antimicrobial and anticancer evaluation of 4-(4-nitrophenyl)-1,3-oxazol-2-amine derivatives”, in 18 <sup>th</sup> Annual Convention of Society of Pharmacognosy – ISP 2014, on the theme entitled “Promotion and Globalization of Indian Herbal Products- Perspectives and Prospects” organized by Department of Pharmaceutical Rohtak, Maharishi Dayanand University, Rohtak (Haryana) on 21 <sup>st</sup> to 22 <sup>nd</sup> Feb. 2014. |
| <b>16</b> | Attended a TEQIP Sponsored National Seminar on “Convergence of Biotechnology & Engineering for Industry (CBEI-2014)” was organized by Department of Biotechnology, UIET, Maharishi Dayanand University, Rohtak (Haryana) on 21 <sup>st</sup> to 26 <sup>th</sup> Nov. 2014.   |
| <b>17</b> | Presented a poster on the topic entitled “Synthesis, antimicrobial, anticancer evaluation and QSAR studies of 2-(2-(substituted benzylidene)hydrazinyl)-1-(2-mercapto-6-(4-methoxyphenyl)-4-phenyl-5,6-dihydropyrimidin-1-yl)ethanone derivatives”, in international conference organized by Science Alert on Drug Discovery and Development at Dubai (UAE), on 21 <sup>st</sup> -23 <sup>rd</sup> Jan. 2014.   |

### Refresher and Orientation courses

| <b>S. No.</b> | <b>Programme</b>                                | <b>Duration</b>                | <b>Organized by</b>  |
|---------------|---|--------------------------------|--|
| <b>1.</b>     | <b>Orientation course<br/>(3 week duration)</b> | 20-06-2011<br>to<br>18-07-2011 | UGC-ASC. B.P.S. Mahila<br>Vishwavidyalaya Kanpur Kalan (Sonapat),<br>Haryana |
| <b>2.</b>     | <b>Refresher course<br/>(3 week duration)</b>   | 17-05-2012<br>to<br>7-06-2012  | UGC-ASC. B.P.S. Mahila<br>Vishwavidyalaya Kanpur Kalan (Sonapat),<br>Haryana |