

**Dr. DINESH KUMAR**  
Registered Pharmacist (India)  
(H.P- Reg. No.: 4419)

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Google Site: <https://sites.google.com/site/drddineshkumarsirihbt/>

**Scientist**

**Natural Product Chemistry and Process Development Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Post Box No. 6, Himachal Pradesh-176061, India**

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**Objective**

To serve as a Drug discovery consultant/Research scientist and teaching faculty at a R & D of repute to enhance my research career and teaching skills in the field of Pharmaceutical Sciences and Natural Product Chemistry and Process developments.

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**Present Occupation**

I am currently a Scientist, Natural Product Chemistry and Process Development Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Post Box No. 6, Himachal Pradesh-176061, India.

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**Professional Qualifications**

**PDF (2013)** Department of pharmaceutical sciences, Tshwane University of Technology, Arcadia campus, Pretoria-0001, South Africa.

**Ph.D. (2012)** Department of Pharmaceutical sciences, University of Kashmir, Srinagar-190006, India.

*Thesis Title:* Pharmacognostical Standardization, Phytochemical Investigations and Anti-Anxiety Studies on some Medicinal plants of Kashmir Valley.

**M.Pharm. (2009)** Dr. D.Y. Patil IPSR, Pune-18, University of Pune, Maharashtra, India.

*Thesis Title:* Antiasthmatic activity of *Ailanthus excelsa* Roxb (68.95%).

**B.Pharm. (2006)** Shivalik college of Pharmacy, Naya-Nangal, Punjab, Punjab Technical University, Jalandhar, India.

*Project Title:* Study of ethanomedicinal herbal drugs from Himachal Pradesh (68.76%).

**D.Pharm. (2002)** SAC College of Pharmacy, Balgangadharnagar, Distt. Mandya, Karnataka, ER-1991, Government of Karnataka, Drug control Department, India (70%).

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**Honours and Awards**

- **Start Up Research Grant (Young Scientists);** DST Fast track- SERB, New Delhi, India, 2015-2018.  
**Project titled:** "Myocardial lipidomics and metabolomic fingerprinting of *Cratageous oxycantha* by NMR, LC-MS/MS techniques to delineate its toxicity/safety in cardiac disorders",
- **INSA-CSIR-BRNS/DAE-CICS, India,** Joint Traveling Grant for presenting a paper in international conference abroad, 2012 (Not availed).
- Qualified Screening test **Himachal Pradesh Public service commission, India** 13-6-2012.
- **MPF, Fellowship** from University Grant Commission-New Delhi-India, 1 May 2010 – 31 Jan 2013.
- **CSIR-India,** Traveling Grant for presenting a paper in international conference abroad, 2011.
- **University of Kashmir,** Srinagar-190006, India, Special Traveling Grant for presenting a paper in international conference abroad, 2011.
- **1<sup>st</sup> prize and gold medal in debate** held at IET Bhaddal, Punjab, 2005, India.
- **CET 60<sup>th</sup> rank** in Maharashtra state, India for M. Pharm, 2007.

## Work Experience

<b>Scientist</b>	Nov. 2013 to till date
<b>Asst. Prof. (Hn)</b>	Nov. 2013 to till date
<b>Postdoctoral Fellow</b>	Feb. 2013 to Nov. 2013 Tshwane University of Technology, Arcadia Campus, Pretoria, South Africa-0001.
<b>Research consultant</b>	May 2012 to Nov. 2013: Indian and South African Pharmaceutical Industries (Rapture Biotech, India; R&D Aryan Herbal, India).
<b>R. A. (Sr. MPF)</b>	May 2012 to Feb 2013
<b>Major Project Fellow</b>	May 2010 to April 2012 (University of Kashmir, sponsored by UGC)
<b>Webmed central Pharmaceutical sciences faculty:</b>	August, 2011 to till date (online).
<b>Asst. Professor (Lecturer)</b>	Rayat Institute of Pharmacy, Railmajra, SBS Nagar Punjab (India) Aug 2009 to April 2010.
<b>Lecturer</b>	Punjab College of Pharmacy, Ferozepur, Punjab (India) June 2006 to Sep. 2007
<b>Q.I.P (AICTE):</b>	S.B.S College of Pharmacy, Patti, Amritsar, Punjab. Q.I.P. (AICTE Sponsored, 2006). - 14 days

## Training Experience

Duration	Training	Organization / Institute
1 month	Industrial Training	BRD MEDILABS, Phase-1, Baddi, Solan, H.P., India
3 months	Hospital Training	Govt. Community health center, Bhoranj, H.P., India
One Day	TLC/HPTLC Training	Anchrom Enterprises (P) Ltd., Mumbai-400081, India
5 Day	Avance 1D and 2D NMR spectrometer Training	Bruker BioSpin AG, Fallanden, Switzerland
1 Day	ISO 9000 Training	CSIR-IHBT, Palampur (2015)

## Thesis guided

B. Pharm. Students: 03; MSc Students: 03; Ph.D: 01 (Persuing)

## External Funded Projects

S.No	Name of project	Funding agency	Sanctioned budget (lacs)	Project duration (Dates)		Working as PI/ Co-PI/ Co-I
				From	to	
1.	Myocardial lipidomics and metabolomic fingerprinting of Crataegus oxyacantha by NMR, LC-MS/MS techniques to delineate its toxicity/safety in cardiac disorders	SERB-DST, New Delhi, India	18.00	20.03.2014	19.03.2018	PI
2.	Characterization and Consolidation of Hippophae Genetic Resources and Propagation of Elite Genotypes for Varietal Evaluation	DBT, New Delhi, India	48.50	2014	2017	PI
3	Development of herbal formulations from Seabuckthorn	DBT, New Delhi, India	358.76943 Net work Project	2016 Recom mende d	-	PI

### **Instrument Knowledge**

Nuclear Magnetic Resonance Spectrometer (Bruker), HPTLC CAMAG (Ancrom), U.V. Visible Spectrophotometer (Shamadzu1710, 2100), FTIR-8400S (Shamadzu), Hyperspectral Imaging, Expert in column chromatography, TLC and HPTLC, IR, Mass & GC-MS, UPLC-MS, LC-MS/MS

### **Research Interests**

1. Isolation and characterization of secondary metabolites such as Alkaloids, Flavonoids, Triterpenoids, Saponins, Glycosides, Volatile and Fixed oil. 2. Preclinical and clinical evaluation of traditional medicines. 3. Pharmacognostical studies, standardization and evaluation of traditional medicines. 4. Herbal and Ayurvedic product development. 5. Formulation developments 6. NDDS and Novel Drug discovery 7. Marine drug discovery 8. Food and nutrition research, Agriculture and forest research, Plant Metabolomics.

### **Reviewer of International Journals**

Journal of scientific research, Natural product sciences (*Taylor & francis*), Journal of Yeast and Fungal Research, Academic journals, BMC, Revista Brasileira de Farmacognosia, Bangladesh journal of Pharmacology, IJBMR, Academic journals, International Journal of Nutrition and Metabolism, Pharmaceutical biology, Evidence-based Complementary and Alternative Medicine, TANG, HERMED, OPEM, Immunology Review. Biotechnology Reviews, Biotechnology research, Journal of Ethnopharmacology

### **Editorial board member**

- ✓ **TANG:** International Journal of Genuine Traditional Medicine.  
The Marriage of Humanitas and Traditional Medicine. (Korea)
- ✓ **Platinum Global Journal Of Medicine And Medical Sciences**
- ✓ **Archives of Depression and Anxiety**
- ✓ **SM Tropical Medicine Journal**
- ✓ **CRESSCO Journal of Depression and Anxiety (CJDA)**

### **Society Member**

- ✓ **Italo-Latin American Society of Ethnomedicine**

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### **Computational Skills (Software)**

Instat, Chemsketch, MNova, SIMICA Computer Basics (Windows, office 2000, 2007), Internet Browsing etc.

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### **Extra-curricular Activities/Achievements**

- Registered Pharmacist (H.P- Reg. No.- 4419)
- Attended and participated actively as a representative of research scholars (Department of pharmaceutical sciences), a meeting in the years 2011 with various Vice Chancellor and experts who wished to know about the properties and shine of future Vice chancellor in the University.
- Attended various meeting actively as a representative of research scholars (Department of pharmaceutical sciences), in the years 2010 and 2011 with Vice Chancellor, Registrar and administrators of the University.
- Research scholar representative of Pharmaceutical sciences, University of Kashmir from 1<sup>st</sup> may 2010 to Jan 2013.

- 1<sup>st</sup> Prizes in held at Dr. D.Y. Patil IPSR, Pimpri, and Pune-18. (Single and double).
  - Have many more prizes in Volleyball, badminton, cricket, kabbadi etc.
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### Miscellaneous

**Languages known:** English (fluent), Hindi (fluent), Sanskrit, Marathi (fluent),

**Marital status:** Married

**Hobbies:** Traveling, Meditation

### Famous cities visited in the recent past:

**Europe:** Zurich, Fallanden, Zug (Switzerland)

**Africa:** Johannesburg, Pretoria (South Africa), Durben, Cape Town

**Asia:** Colombo, Kandy, Trunko, Gale (Srilanka), Banglooru, Chennai, Pune, Chandigarh, Delhi, Mumbai, Hyderabad.

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### References (*Letters can be furnished on request*)

1. **Prof. (Dr.) R. K. Nanda**, Ex. R&D Head and current consultant of Hindustan Antibiotic Ltd. Pune & Prof. of Pharmaceutical chemistry, Dr. D. Y. Patil Institute of Pharmaceutical sciences and Research, Pune. Contact No.: 09325540344, email: [ravinderananda@rediffmail.com](mailto:ravinderananda@rediffmail.com)
  2. **Prof. (Dr.) D. N. Prasad**, Director/ Principal, Shivalik College of Pharmacy, Naya- Nangal, Ropar, Punjab. Contact No.: 09417184090, email: [debu663@gmail.com](mailto:debu663@gmail.com)
  3. **Prof. (Dr.) M.Y Shah**, Dean of Applied Sciences and technology & UGC coordinator of University. **UGC nominee** for Utrakhand technical University, University of Kashmir, Srinagar- 190006 (India). Contact No.: 09419088833, email: [shahmy1954@gmail.com](mailto:shahmy1954@gmail.com)
  4. **Dr. Z. A Bhat**, Sr. Astt. Prof., Department of Pharmaceutical sciences, University of Kashmir, Srinagar- 190006 (India), Contact No.:919419077701, email:[zabhat2000@gmail.com](mailto:zabhat2000@gmail.com)
  5. **Prof. AR Bafna**, Rayat Institute of Pharmacy, Railmajara (Near Ropar), SBS Nagar, Punjab, India, email: [anandbafna65@gmail.com](mailto:anandbafna65@gmail.com)
  6. **Prof AM VILJOEN**, Research Fellow (Associate Editor- Journal of Ethnopharmacology), Department of Pharmaceutical Sciences, Tshwane University of Technology, Private Bag X680, Pretoria |0001, SOUTH AFRICA , Tel +27 12 382 6373, Fax +27 12 382 6243, [www.alvaroviljoen.com](http://www.alvaroviljoen.com)
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**Research Gate: 24.78**

**Google scholar:** h-Index = 13; I<sub>10</sub>-Index = 19, Citation: 486, Paper published = 61; Accepted = 03, Book chapter = 01

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### List of Publications

**Book Chapter: Dinesh Kumar\***, Zulfiqar Ali Bhat, Ramesh Deoda, Satish Mudgade, Ishtiaq Chasoo and Vijender Kumar. Chapter-10: Bronchodilator activity in Traditional medicines: Gift of God Kingdom 2011; 171-190. 'Bronchitis', ISBN 978-953-307-198-5. INTECH open publisher, Ignacio Martín-loeches (Editor), T/F: +38551686166, E: [info@intechweb.org](mailto:info@intechweb.org); [www.intechweb.org](http://www.intechweb.org)

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## Articles

1. Katoch P, Rana S, **Kumar D\***, Kumar S, Bhushan S. Concurrent NP-HPTLC determination of shikonin and  $\beta,\beta$ -dimethylacryl shikonin in *Arnebia benthamii*. **Journal of Chromatographic Science**. 2016; 1-7. Impact Factor: 1.6
2. **Kumar D\***, Kumar R, Sing B, Ahuja PS. Comprehensive metabolomic profiling of an endangered medicinal plant *Picrorhiza kurroa* Royle ex Benth cultivated in Indian Himalayas. **Combinatorial Chemistry & High Throughput Screening** 2016; 19 (3): 200-2015. Impact Factor: 1.6
3. Rattan R, Kumari A, Gautam V, Fozdar BI, Sharma U, **Kumar D\***. Preliminary Phytochemical Screening, Antioxidant and Antifungal Activity of *Lepidagathis cuspidate*. **Int J Drug Dev & Res**. 2016; 8(1): 001-3. Impact Factor: 0.18
4. **Kumar D\***. Application of Nuclear magnetic resonance (NMR) spectroscopy: Promising analytical technique. **Critical review in analytical chemistry** 2015 Published accepted version online. Impact Factor: 2.69, Taylor and Francis.
5. **Kumar D\***, Gulati A, Sharma U\*. Determination of theanine and catechin in *Camellia sinensis* (Kangra Tea) leaves by HPTLC and NMR techniques. **Food Analytical Methods** (online). Impact Factor: 1.956, DOI 10.1007/s12161-015-0343-z Springer Link
6. Dongre P, Bhujbal SS, **Kumar D\***. Bronchodilatory activity of *Curcuma longa*, *Zingiber officinale* and *Alpinia galanga* based herbal formulation (AHF). **Oriental Pharmacy and Experimental Medicine**. 2015; 15: 341-346.
7. **Kumar D\***, Kumar R, Sing B, Ahuja PS. Reproducible RP-HPTLC based quality control method for endangered medicinal plant *Picrorhiza kurroa* Royle Ex Benth. **Journal of Planar Chromatography** 2015; 28(3): 256–261. Impact Factor: 0.67
8. **Kumar D\***, Bhat ZA. Apigenin 7-glucoside from *Stachys tibetica* Vatke and its effect on anxiety like behavior in experimental animals. **Phytomedicine** 2014; 21: 1010-1014. Elsevier. Impact Factor: 3.126
9. Arya V, **Kumar D\***, Gautam M. Phytopharmacological review on flowers: Source of inspiration for drug discovery. **Biomedicine & Preventive Nutrition** 2013; 4: 45-51. Elsevier.
10. Kumar V, Bhat ZA\*, **Kumar D**. Animal models of anxiety: a comprehensive review. **Journal of Pharmacological and Toxicological Methods** 2013; 68: 175-183. Impact Factor: 2.150, Elsevier, Pubmed.
11. **Kumar D\***, Bhat ZA\*, Kumar V, Raja WY, Shah MY. Anti-anxiety activity of *Stachys tibetica* Vatke. **Chinese Journal of natural Medicine** 2013; 13(2): 240-249. Elsevier, Pubmed.
12. **Kumar D**, Bhat ZA\*, Kumar V, Shah MY. Coumarins from *Angelica archangelica* linn. and their effects on anxiety-like behavior. **Progress in Neuro- Psychopharmacology & Biological Psychiatry** 2013; 40:180–186. Elsevier, Impact Factor: 4.05.
13. **Kumar D**, Bhat ZA\*, Shah MY. Anti-anxiety activity of successive extracts of *Angelica archangelica* linn. on T- maze and forced swim test in rats. **Journal of traditional Chinese medicines** 2012; 32(3): 423-429. Science direct, Pubmed
14. **Kumar D**, Bhat ZA\*, Kumar V, Chashoo IA, Khan NA, Shah MY. Chemical identification and in-vitro anti-inflammatory activity of *Stachys tibetica* oil by GC-MS and HRBC membrane stabilization method. **Chemistry of natural compounds**.2012; 48(5): 893-895. Impact Factor: 0.599, Springer link.
15. **Kumar D\***, Arya V, Bhat ZA, Khan NA, Pradsad DN. The genus *Crataegus* (Rosaceae): chemical and pharmacological perspectives. **Brazilian journal of Pharmacognosy** 2012; 22(5): 1187-1200. Impact Factor: 0.676: Sci Finder.

16. **Kumar D**, Bhat ZA\*, Shah MY. Effect of successive extracts of *Stachys tibetica* Vatke (Lamiaceae) in anxiety. **Oriental Pharmacy and Experimental Medicine** 2012; online. DOI 10.1007/s13596-012-0083-1. Springer link.
17. **Kumar D**, Bhat ZA\*. Anti-anxiety activity of methanolic extracts of different parts of *Angelica archangelica* Linn. **Journal of Traditional Complimentary Medicines** 2012; 2(3): 235-241. Medknow.
18. Chashoo IA, **Kumar D**, Bhat ZA\*, Khan NA, Kumar V, Newshehri JA. Antimicrobial studies of *Sambucus wightiana* Wall. ex. Wight & Arn. **Journal of Pharmacy Research** 2012; 5(5): 2467-2468. Elsevier.
19. Kumar V, Bhat ZA\*, **Kumar D**, Khan NA, Chashoo IA. Evaluation of anti-inflammatory potential of leaf extracts of *Skimmia anquetilia*. **Asian Pacific Journal of Tropical Biomedicine** 2012; 1-4. Elsevier.
20. **Kumar D\***, Bhat ZA. Anxiolytic activity of aqueous extract of *Angelica archangelica* Linn. **Inventi Rapid: Ethnopharmacology** 2012; 2. <http://www.inventi.in/Article/pep/596/12.aspx>
21. **Kumar D**, Bhat ZA\*, Kumar V, Chashoo IA, Khan NA, Ara I, Shah MY. Preliminary pharmacognostical and phytochemical evaluation of *Stachys tibetica* Vatke. **TANG: International Journal of Genuine Traditional Medicine** 2012; 2(1): e10, 1-7. Korean society of genuine traditional medicines.
22. Kumar V, Bhat ZA, **Kumar D**, Khan NA, Chashoo IA, Ara I. Gastroprotective effect of leaf extracts of *Basella alba* against experimental gastric ulcers in rats. **Brazilian Journal of Pharmacognosy** 2012; 22(3): 657-662. Impact Factor: 0.676: Sci Finder.
23. **Kumar D**, Bhat ZA\*, Kumar V, Khan NA, Chashoo IA. **Zargar MI**, Shah MY. Effects of *Stachys tibetica* essential oil in anxiety. **European Journal of Integrative Medicines** 2012; 4: e169-e176. Impact Factor: 1.2, Elsevier. Pubmed.
24. **Kumar D\*** Arya V, Kaur R, Bhat ZA, Gupta VK, Kumar V. A review for immunomodulators in the Indian traditional health care system. **Journal of Microbiology, Immunology and Infection** 2012; 45: 165-184. Impact Factor: 2.18, Science direct, Pubmed.
25. Kumar V, Bhat ZA, **Kumar D**, Shah MY, Chashoo IA, Khan NA. Anti-inflammatory activity of Petals of *Crocus sativus* 'Cashmerianus'. **International journal of Phytopharmacology** 2012; 3(1): 1-5. Impact Factor: 1.02.
26. Kumar V, Bhat ZA, **Kumar D**, Khan NA, Chashoo IA, Shah MY. Pharmacological profile of *Crocus sativus* -a comprehensive review. **Pharmacologyonline** 2011; 3: 799-811. **Scirus and Index Copernicus**.
27. Kumar V, Bhat ZA, **Kumar D**, Chashoo IA, Khan NA. Anti-inflammatory activity of *Basella alba* Linn. **Journal Pharmacy Education Research** 2011; 2(1-2): 107-110.
28. **Kumar D\***, Bhat ZA, Kumar V, Zargar MI. A Short Review on *Artemisia maritima* Linn. **International Journal of Research in Phytochemistry and Pharmacology** 2011; 1(4): 201-206.
29. Deoda RS, **Kumar D**, Kadam PV, Yadav KN, Bhujbal SS, Patil MJ. Pharmacognostic and Biological studies of the roots of *Rubia cordifolia* Linn. (Rubiaceae). **International Journal of Drug Development and Research** 2011; 3(3): 148-158. Elsevier, Impact Factor: 0.13.
30. Sharma N, Agarwal G, Rana AC, Bhat ZA, **Kumar D\***. Transdermal drug delivery system: A tool of Drug delivery. **International Journal of Drug Development and Research** 2011; 3(3): 70-84. Elsevier, Impact Factor: 0.13.
31. **Kumar D\***, Bhat ZA, Kumar V, Chashoo IA, Khan NA, Shah MY. Pharmacognostical and phytochemical evaluation of *Angelica Archangelica* Linn. **International Journal of Drug Development and Research** 2011; 3(3): 173-188. Elsevier, Impact Factor: 0.13.



32. **Kumar D\***, Mudgade SC, Bhat ZA, Bhujbal SS, Rub R. Anti allergic and anti-inflammatory effects of the fruits of *Randia dumetorum* lamk. **Oriental Pharmacy and Experimental Medicine** 2011; 11:161-167. Springer Link.
33. **Kumar D\***, Bhat ZA, Kumar V, Shah MY. Nature: Anxiolytics in the lap of nature. **Webmed Central Pharmaceutical Sciences** 2011; 2(9): WMC002140.
34. **Kumar D\***, Deoda RS, Bhujbal SS, Singh P, Bhat ZA. Antihistaminic activity of aqueous extract of stem bark of *Ailanthus excelsa* Roxb. **Pharmacognosy Research** 2011; 3(3): 220-224. Pubmed.
35. Kumar V, Bhat ZA, **Kumar D**, Bohra P, Sheela S. In-vitro anti-inflammatory activity of leaf extracts of *Basella alba* Linn. **International Journal of Drug Development and Research** 2011; 3(2): 176-179. Elsevier, Impact Factor: 0.13.
36. Kumar V, Bhat ZA, **Kumar D**, Shah MY, Chashoo IA, Khan NA. Physicochemical and Preliminary Phytochemical Studies on Petals of *Crocus sativus* 'Cashmerianus'. **Pharmacognosy Journal** 2011; 3(23): 46-49. Medknow.
37. Bulani V\*, Biyani K, Kale R, Joshi U, Charhate K, **Kumar D**, Pagor R. Inhibitory effect of *Calotropis gigantea* extract on Ovalbumin-induced airway inflammation and Arachidonic acid induced inflammation in a murine model of asthma. **International Journal of Biomedical and Pharmaceutical Sciences** 2011; 1(2): 19-25. Medline.
38. Ahmed A, Shah WA, Akbar S, **Kumar D**, Kumar V, Younis M. *In-vitro* anti-inflammatory activity of *Salix caprea* Linn. (goat willow) by HRBC membrane stabilization method. **Journal of Pharmacy Research** 2011; 4(4): 1067-1068.
39. **Kumar D\***, Bhat ZA, Singh P, Khatanglakar V, Bhujbal SS. Antiasthmatic and antiallergic potential of methanolic extract of leaves of *Ailanthus excelsa* Roxb. **Revista Brasileira de Farmacognosia** 2011; 21(1): 139-145. Sci Finder, Impact Factor: 0.676.
40. Bulani VD\*, Ghaisas MM, **Kumar D**, Sarda AP, Bhamre SS. Anti-anaphylactic and Mast Cell Stabilizing Effect of *Calotropis gigantea* extract. **Latin American journal of Pharmacy** 2011; 30 (2): 363-7. Impact Factor: 0.323
41. Bhat ZA, **Kumar D\***, Shah MY. *Angelica archangelica* Linn. is Angel on earth for the treatment of diseases: A review. **International Journal of Nutrition, Pharmacology, Neurological Diseases** 2011; 1(1): 35-49. Medknow
42. Deoda RS\*, **Kumar D**, Bhujbal SS. Gastroprotective effect of *Rubia cordifolia* linn. on aspirin plus pylorus ligated ulcer. **Evidence-based Complementary and Alternative Medicine** 2011; 5. doi:10.1155/2011/541624. Pubmed, Impact Factor: 2.15.
43. **Kumar D\***, Buge PV, Bhat ZA, Dhumal JS, Katare YS, Bhujbal SS. Macroscopical and microscopical evaluation of Leaves of *Clerodendrum inerme* Gaertn. **International Journal of Biological and Medical Research** 2011; 2(1): 404-408. Medline.
44. Ahmed A, Shah WA, Akbar S, Younis M, **Kumar D\***. A short chemical review on *Salix Caprea* commonly Known as Goat willow. **International Journal of Research in Phytochemistry and Pharmacology** 2011; 1(1): 1-6.
45. Khan NA, **Kumar D\***, Bhat ZA, Kumar V, Nagpal N, Bhujbal SS. In vitro H<sub>1</sub>- Receptor antagonist activity of methanolic extract of tuber of *Stephania glabra* Vern. **Bangladesh Journal of Pharmacology** 2010; 5: 89-91.
46. Bhujbal SS\*, Nanda RK, Deoda RS, **Kumar D**, Kewatkar SM, More LS, Patil MJ. Structure elucidation of a newly isolated saponin from *Clerodendrum serratum* (L) Moon. **Oriental Pharmacy and Experimental Medicine** 2010; 10(4): 319-321. Springer Link
47. Bhujbal S\*, Nanda RK, Deoda R, **Kumar D**, Kewatkar SM, More LS, Patil MJ. Structure Elucidation of a Flavonoid Glycoside from the Roots of *Clerodendrum serratum* (L) Moon.

- Revista Brasileira de Farmacognosia** 2010; 20(6): 1001-1002. Sci Finder, Impact Factor: 0.676.
48. **Kumar D\***, Bhat ZA, Singh P, Bhujbal SS, Mudgade SC, Deoda RS. Antiallergic and anti-inflammatory Properties of methanolic extract of stem bark of *Ailanthus excelsa* Roxb. **Latin American journal of Pharmacy** 2010; 29 (8): 1289-95. Impact Factor: 0.323.
  49. Bhat ZA, Ali M, Ansari SH, **Kumar D**, Khan NA, Singh P, Chashoo IA. Two disaccharides namely Glucopyranosyl-O-(1→4) fructofuranoside (Sucrose) and Glucopyranosyl-O-(1→4) glucopyranoside (Maltose) from *Aralia cachemirica* Decne. **International Journal of Biological and Medical Research** 2010;1(4): 295-297. Medline
  50. Nagpal N, Manisha A, Sandeep R, Gaurav S, **Sharma D**, Kapoor R. Muco-adhesion Based Solid Dosage Form: The Next Generation. **Research Journal of Pharmaceutical Dosage Forms and Technology** 2010; 2(5): 206-214.
  51. **Kumar D\***, Bhat ZA, Singh P, Mudgade SC, Bulani VD, Bhujbal SS. Anti-allergic and anticataleptic activity of aqueous extract of leaves of *Ailanthus excelsa* Roxb. **International Journal of Pharmaceutical Sciences and Research** 2010; 1(9): 45-51. Elsevier.
  52. Pareek V, Singh M, Bhat ZA, Singh P, **Kumar D**, Sheela S. Studies on mucilage of *Basella alba* Linn. **Journal of Pharmacy Research** 2010; 3(8): 1892-1894.
  53. **Kumar D\***, Bhat ZA, Singh P, Shah MY, Bhujbal SS. *Ailanthus excelsa* Roxb. is Really A Plant of Heaven. **International Journal of Pharmacology** 2010; 6(5): 535-550. Science alert, Impact Factor: 1.503.
  54. Bhujbal SS, **Kumar D**, Deoda RS, Kewatkar SM, Patil MJ. In-Vitro and In-Vivo Antiasthmatic studies of *Clerodendrum serratum* Linn in Guinea Pigs. **International Journal of Pharmaceutical Research and Development** 2010; 2: 4(2): 1-6.
  55. **Kumar D\***, Bhat ZA, Singh P, Shah MY, Bhujbal SS. Macro and Microscopical evaluation of Trunk bark of *Ailanthus excelsa* Roxb. **Pharmacognosy Journal** 2010; 2(9): 278-284. Elsevier.
  56. **Kumar D\***, Bhujbal SS, Deoda RS, Mudgade SC. Bronchodilator Activity of Aqueous Extract of Stem Bark of *Ailanthus excelsa* Roxb. **Pharmacognosy Research** 2010; 2(2): 102-106. Pubmed.
  57. **Kumar D\***, Bhujbal SS, Patil PS, Buge PV. In-Vitro and In-Vivo Activities of Stem Bark of Methanolic Extract of *Ailanthus excelsa* Roxb. In The Management of Asthma. **International journal of pharmacology** 2010; 6(3): 284-289. Science alert, Impact Factor: 1.503.
  58. **Kumar D\***, Bhujbal SS, Deoda RS, Mudgade SC. In-vitro and In-vivo Antiasthmatic Studies of *Ailanthus excelsa* Roxb. on Guinea Pigs. **Journal of Scientific Research** 2010; 2(1), 196-202. PubMed.
  59. Kumar D\*, Prasad DN, Parkash J, Bhatnagar SP, **Kumar D**. Antiasthmatic Activity of Ethanolic Extract of *Aerva lanata* Linn. **Pharmacologyonline** 2009; 2: 1075-1081. **Scirus and Index Copernicus**.
  60. Bhujbal SS\*, Kewatkar SM, **Kumar D**, Mudgade SC, Patil MJ. In Vivo and In Vitro Antiasthmatic Studies of *Clerodendrum serratum* Linn. Newsletter. **Pharmacologyonline** 2009; 2: 745-752. **Scirus and Index Copernicus**.
  61. Bhujbal SS\*, **Kumar D**, Deoda RS, Deore TK, Patil MJ. Antiasthmatic activity of roots of *Hemidesmus indicus* R.Br. **Pharmacologyonline** 2009; 1: 209-216. **Scirus and Index Copernicus**.

**Accepted**

1. **Kumar D\***, Bhat ZA, Kumar V, Khan NA, Shah MY. Anxiolytic effects of *Angelica archangelica* linn. on the elevated plus maze and light and dark arena model of anxiety in rats. **Chinese Journal of Integrative Medicine** (Accepted). Impact Factor: 1.05, Springer link.



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## Oral Presentation

### Abroad

1. **Dinesh Kumar\***, Zulfiqar Ali Bhat, Vijender kumar. Chemical identification and anxiolytic activity of *Stachys tibetica* oil. 3rd International Conference on Medicinal Plants and Herbal Products, Colombo, **Sri Lanka**, 19 to 21 December 2011.
2. M.Y. Shah\*, **Dinesh Kumar**, Vijender Kumar, Zulfiqar Ali Bhat. Preliminary Pharmacognostical and Phytochemical Evaluation of *Stachys tibetica* Vatke. 3rd International Conference on Medicinal Plants and Herbal Products, Colombo, **Sri Lanka**, 19 to 21 December 2011.

### National

1. Delivered a seminar on Pharmacy as a career in the symposium of Rayat and Bahara Group of Institutions, Railmazra Ropar, India. Feb. 2010.
  2. **Dinesh Kumar\***. Need of Standardization of Herbal Drugs. National Seminar Recent Advances in Pharmaceutical Education and Research, NSRAPER-2009. 15-16<sup>th</sup> July, 2009, Department of Pharmaceutical Sciences, University of Kashmir, Srinagar-190006, India.
  3. **Dinesh Kumar\***, Vijender Kumar, Zulfiqar Ali Bhat. The impact of the built environment on Public health. Indian Society of Geomatics, Kashmir Chapter, Regional conference on Geomatics for good governance (G-Governance- 2011). University of Kashmir, Srinagar-190006, India.
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### International

1. **Dinesh Kumar\***, Bhat ZA, Kumar V, Chashoo IA, Khan NA, Shah MY. Anxiolytic activity of non polar coumarins of *Angelica archangelica* Linn. Three day International conference on Recent Advances in Pharmaceutical sciences, RIP, Punjab, march 21-23, PL-12, P.100 (2012).
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3. **Dinesh Kumar\***, Bhujbal S. S., Mudgade S.C, Deepak Kumar., Pravin Buge., Deshpande A. D., Evaluation of methanolic extract of *Mallotus philippensis* Muell Arg. Leaves For liver diseases. Anant Pharma. 10<sup>th</sup> June (2009).
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### Conferences/ Seminar/workshops

- Art of scientific writing, DAV University, Jalandher, Punjab.
- Nanotechnology: From drug discovery to drug delivery. Marathwada Mitra Mandal college of Pharmacy, Thergaon, kalewadi, Pune. 7<sup>th</sup> Feb. 2009
- Natural Product Inspired Drug Development. Padam Shree. Dr. D.Y. Patil IPSR, Pimpri, Pune-18. 6-7<sup>th</sup> March 2009.
- Drug Discovery Development and Delivery. Padam Shree. Dr. D.Y. Patil IPSR, Pimpri, Pune-18.15-16<sup>th</sup> Feb. 2008.
- Challenges and opportunities in pharmaceutical research. Modern College of Pharmacy, Nigdi, Pune-44

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**Dr. Dinesh Kumar**

I solemnly declare that the information given above are true & correct as per my best knowledge, information & belief.

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**Dr. DINESH KUMAR**