

BIO-DATA

Name: Prof. (Dr.) PAWAN KRISHAN

Designation: Professor & Former Head
(Former Dean, Faculty of Medicine)

Department: Pharmaceutical Sciences and
Drug Research

Punjabi University, Patiala



Date of birth: 08 -08-1971

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Areas of Specialization: Pharmacology and Clinical Pharmacy

Academic qualification:

Sr. No.	Degree Held	Year	Board/Univ./Institute.	Div./Rank	Subjects Taken
1	Ph.D	2004	M D University, Rohtak		Pharmacology
2	M. Pharm	1997	Punjabi University, Patiala	First	Pharmacology
3	B. Pharm	1992	Bangalore University	First	Pharmaceutical Sciences

Administrative Positions/Membership: Ongoing/Held

1. **Dean, Faculty of Medicine**, Punjabi University Patiala.
2. **Professor and Head of Deptt.** of Pharmaceutical Sciences and Drug Research, Punjabi University Patiala.
3. **Chairman**, Administrative Committee of the Department.
4. **Chairman**, Board of Studies in Pharmaceutical Sciences.

5. **Chairman**, Departmental Research Board. Deptt. Pharmaceutical Sciences and Drug Research Punjabi University, Patiala
6. **Chairman**, Dept. Admission Committee, Fee Concession committee.
7. **Chairman**, Institutional Animal Ethics Committee Punjabi University, Patiala.
8. Member, Syndicate (Executive Council), Punjabi University, Patiala.
9. Member, Academic Council, Punjabi University, Patiala.
10. Member, Senate, Punjabi University, Patiala.
11. Member, Planning and Monitoring Board, Punjabi University, Patiala
12. **Member, State Expert Appraisal Committee, Punjab, SEAC (Ministry of Environment and Forests, Government of India)**
13. **Subject expert, Himachal Pradesh Public Service Commission, Shimla.**
14. External Expert Member, Technical Committee of Punjab State Pollution Control Board
15. Member, Institutional Animal Ethics Committee Punjabi University, Patiala.
16. Member, Institutional Ethics Committee Punjabi University, Patiala.
17. Member, Executive Committee, Punjab Academy of Sciences
18. CPCSEA Nominee (Scientist from outside Institute), Institutional Animal Ethics Committee PGIMER, Chandigarh.
19. CPCSEA Nominee (Main Nominee), Institutional Animal Ethics Committee NIPER, Mohali.
20. CPCSEA Nominee (Main Nominee), Institutional Animal Ethics Committee, GADVASU, Ludhiana.
21. Member, Board of studies in Pharmaceutical Science, KUK.
22. Member, Research Advisory Committee of MRU (Multidisciplinary Research Unit) of Govt Medical College, Patiala.

Membership of Professional Bodies/Organisations:

- i. Life member of Indian Pharmaceutical association. (IPA).
- ii. Life member of Indian Pharmacological society. (IPS).
- iii. Life member of Indian Hospital Pharmacists Association (IHPA).
- iv. Life member of Association of Pharmaceutical Teachers of India (APTI).
- v. Life member of Indian Pharmacy Graduates Association (IPGA).
- vi. Life member of Association of Physiologists and Pharmacologists of India. (APPI).
- vii. Life Member Punjab academy of Sciences.

Academic Responsibilities Held:

- i. Project Evaluation Committee Member to **DST-SERB**, Department of Science and Technology, Govt of India
- ii. Project Evaluation Committee Member to National Medicinal Plants Board (**NMPB**), Ministry of AYUSH, Govt of India.
- iii. Subject Expert, **AICTE** (All India Council For Technical Education) Evaluation Committee Member for Inspection in Various Colleges and Universities across India.
- iv. Pharmacy Council of India (PCI) Evaluation Committee Member for Inspection in Various Colleges and Universities across India.

- v. Punjab Technical education board Evaluation Committee Member Inspection in Various Colleges and Universities across Punjab.
- vi. External Expert Academic Audit Committee, Guru Jambheshwar University of Science and Technology, (GJUST), Hisar.

Awards/ Honours:

- i. Saroj V.N. Sharma Prize award by Indian Pharmacological society for the best research paper published in any journal (Indian or International) on any aspect of cardiovascular sciences.
- ii. Travel award form DBT, Govt of India to present my work in 34th Annual Meeting of the Japanese Society for Bone and Mineral Research (JSBMR2016) and & The 3rd Asia-Pacific Bone & Mineral Research Meeting (3rd APBMR) at Osaka, Japan on 20th to 23rd July, 2016.

Awards/ Honours to students under my guidance:

- i. **IInd Prize; Best Poster Award:** National Conference on Man and Environment “Environmental toxin harming the liver” (10th -11th March 2017); Centre for Swasth Bharat Swasth Bharat, Punjabi University, Patiala (OnkarBedi).
- ii. **Best Poster Award:** National Conference Indian Pharmaceutical Association-Students’ Forum & ISFCP, Moga “Pleiotropic effect of statins: New Therapeutic targets in drug Design” 8TH National IPA Student Congress 3rd & 4th Sept, 2016; ISFCP, Moga (OnkarBedi).
- iii. **2nd Best Original Paper award** 2015-2016 published in Indian Journal of Rheumatology (InderjeetVerma).
- iv. **Best Poster award** at 16th SSR-MSR workshop in Rheumatology, Singapore, 14-16th August 2015, over 731 participants and faculty members from 31 countries participated (InderjeetVerma).
- v. **IRACON Young researcher Bursary award** to attend IRACON 2016 congress, in Kochi, Kerala, 25th- 27th November 2016 (InderjeetVerma).
- vi. **International Travel Award** by ICMR, New Delhi [Ref No. 3/2TG-43/HRD-2013 (34)] to attend the 13th Asian Conference on Clinical Pharmacy (ACCP), which was held in Haiphong City, Vietnam, September 13-15, 2013 (Nidhi Garg).
- vii. Presented poster in CME on Cardiovascular pharmacology Update held at Government Medical College, Patiala, 2015 and won **3rd prize** in poster presentation (Nidhi Garg).
- viii. Presented Oral presentation at 17th Asia Pacific League of Associations for Rheumatology Congress (APLAR 2015), Chennai, 2015 and won **Best oral paper Award** (Nidhi Garg).
- ix. Secured **First position Oral presentation** in Integrated Conference on Ayurveda, Agriculture & Pharmaceutical Science, Lovely Professional University, Punjab, 2018 (Nidhi Garg).

Details of Experience:

S. No	Name of the Inst. /Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1.	Punjabi University, Patiala	Professor	06 Oct' 2011 to Till Date	Research Activities and Teaching (Pharmacology & Pharmacy Practice) For M.Pharm & B. Pharm Levels
2.	Punjabi University, Patiala	Associate Professor	06 Oct' 2008 to 05 Oct' 2011	Research Activities and Teaching (Pharmacology & Pharmacy Practice) For M. Pharm & B. Pharm Levels
3.	Punjabi University, Patiala	Reader	06 Oct' 2005 to 05 Oct' 2008	Research Activities and Teaching (Pharmacology & Pharmacy Practice) For M. Pharm & B. Pharm Levels
4.	Pt. B D Sharma Post Graduate Institute of Medical Sciences Rohtak	Lecturer	8 Years (Sep, 1997 to Oct, 2005)	Taught Physiology and Pharmacology
5.	Indo-Soviet Friendship College of Pharmacy, Moga	Lecturer	May, 1997 to Sept, 1997)	Taught Pharmacology
6	Mukur Pharmaceuticals Pvt. Ltd, Chandigarh	Asstt. Manufacturing Chemist	2 Years and 1 Month	Manufacture and Supervision of Production of Pharmaceuticals

Published Work:

Research Papers: 87

Conference/Seminar Presentation: 15

Books: 02

Book Chapters: 03

Citations: 1817

H-index: 26

I10 index: 44

R & D Projects:

Project under completed/ under implementation: PI: **Dr. Pawan Krishan**

S.No.	Title	Amount (Rs. lakhs)	Months of Submission	Role of PI	Agency	Status
1.	A novel therapeutic approach to diabetic nephropathy targeting renal hypoxia through diet restriction and pharmacological interventions.	16,70,000	02 Years (Nov 2015 to Nov 2017)	Principal Investigator	DST SERB	Completed

2.	Exploring the potential effect of Angiotensin-Receptor Blocker and Statin Treatment on Endothelial Functions in Patients with Inflammatory Rheumatic Diseases.	11,28,800	3 years from August 2012 to July 2015	Monitoring, implementation and analysis of study.	University Grants Commission (UGC) major research project.	Completed
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Invited Talks/Articles:

- i. Delivered a talk at All India Radio, Rohtak, regarding “Health Damaging Addictives and Public Awareness”
- ii. Delivered a Guest lecture entitled “Herbal Cosmetics” presented at 7th National Pharmacist Scientific Seminar on 2nd Oct, 2004 at Rohtak.

Ph.D. Students guided/under guidance (Details):

Guided: **11**, : Under guidance: **01**

S. No.	Name of Candidate	Awarded/Registered
1.	Randhir Singh Dahiya	Awarded
2.	Ravinder Singh Bhatti	Awarded
3.	Kanchan Vohra	Awarded
4.	Inderjit Verma	Awarded
5.	Nidhi Garg	Awarded
6.	Varinder Singh	Awarded
7.	Navpreet Kaur	Awarded
8.	Monica	Awarded
9.	Gaaminepreet Singh	Awarded
10.	Gagandeep Kaur	Awarded
11.	Onkar Bedi	Awarded
12.	Raj Bala	Registered

M.Pharm Students Thesis: Guided: **34** : Under guidance: **03**

List of Papers/Courses taught/teaching at P.G. and U.G. Level

S. No.	Paper	Class
1.	Research Methodology	Pre PhD Coursework
2.	General Analytical Techniques in Pharmaceutical Sciences	Pre PhD Coursework

3.	Pharmacotherapeutics	M. Pharm.
4.	Pharmaceutical Medicine	M. Pharm.
5.	Regulatory Affairs and Documentation	M. Pharm.
6.	Clinical Research	M. Pharm
7.	Principles Of Quality Use of Medicines	M. Pharm.
8.	Pharmacoepidemiology & Pharmacoeconomics	M. Pharm.
9.	Clinical Pharmacology and Clinical Pharmacy	B. Pharm.
10.	Microbiology and Immunology	B. Pharm.
11.	Pharmacy Practice	B. Pharm
12.	Social and Preventive Pharmacy	B. Pharm

Reviewer of scientific manuscripts for publication in the following Scientific Journals:

- I. Biomedical and Environmental Sciences
- II. Journal of Environmental Biology
- III. Theranostics
- IV. Phytotherapy Research
- V. Journal of Applied Pharmaceutical Science

Technical Proficiency:

- Experience in carrying out research in experimental and clinical Pharmacology and toxicology.
- Critical appraisal of scientific manuscripts for publications.

List of Papers Published (Total list):

1. **Krishan P**, Sharma A and Singh M. Effect of Angiotensin converting enzyme inhibitors on ischaemia – reperfusion induced renal injury in rats. **Pharmacol. Res.** 1998; **37**: 23-29. (ISSN: 1043-6618, Impact Factor: 4.897)
2. Budhiraja RD, **Krishan P**, and Sudhir S. Biological activity of Withanolides. **J. Sci. Industr. Res.** 2000; **59**: 904-911. (ISSN:0975-1084, Impact Factor : 4.231)

3. Balakumar P, Rose M, Ganti SS, **Krishan P**, Singh M. PPAR dual agonists: are they opening Pandora's Box? **Pharmacol Res.** 2007 Aug; 56(2):91-8.(ISSN: 1043-6618, Impact Factor: 4.897)
4. Balakumar P, Singh AP, Ganti SS, **Krishan P**, Ramasamy S, Singh M. Resident cardiac mast cells: are they the major culprit in the pathogenesis of cardiac hypertrophy? **Basic ClinPharmacolToxicol.** 2008 Jan; 102(1):5-9.(ISSN: 1742-7843,)
5. Balakumar P, Chakkarwar VA, **Krishan P**, Singh M. Vascular endothelial dysfunction: a tug of war in diabetic nephropathy? *Biomed Pharmacother.* 2009 Mar; 63(3):171-9. (ISSN: 0753-3322, Impact Factor:3.224)
6. Semwal DK, Rawat U, Semwal R, Singh R, **Krishan P**, Singh M, Singh GJ. Chemical constituents from the leaves of *Boehmeriarugulosa* with antidiabetic and antimicrobial activities. *J Asian Nat Prod Res.* 2009 Dec;11(12):1045-55. (ISSN:1028-6020, Impact Factor:1.091)
7. Kishore K and **Krishan P**. Pharmacology of recombinant or genetically engineered drugs. 2009. *Journal of Young Pharmacists.* 01(02).(ISSN: 0975-1505,)
8. Semwal D K, Rawat U, Semwal R, Singh K, Singh R, Saini B, **Krishan Pand** Singh M. Hypoglycemic effect of *Phoebe lanceolata* on alloxan -induced diabetic mice. 2009.*Pharmacologyonline* 1: 1021-1026. (ISSN: 1827-8620,)
9. Singh R, **Krishan P**. Modulation of impact of high fat diet in pathological and physiological left ventricular cardiac hypertrophy by fluvastatin..2010 *Biomedicine & Pharmacotherapy.* 64, 147–153. (ISSN: 0753-3322, Impact Factor: 3.224)
10. Balakumar P, Rohilla A, **Krishan P** and Ponnu Solairaj, ArunachalamThangathirupathi The multifaceted therapeutic potential of benfotiamine. 2010 *Pharmacological Research* 61:82–488.(ISSN: 1043-6618, Impact Factor: 5.048)
11. Kumar R, **Krishan P**, Swami Gaurav, Kaur Paramjot, Shah Gagan, and Kaur Appramdeep. Pharmacognostical Investigation of cymponon citrates (DC) Stapf. 2010 *Der Pharmacia Lettre,* 2(2), 181-189. (ISSN:0975-5071)
12. Bhatti R S, **Krishan P**, Suresh and Jagir S. Sandhu. Bismuth trichloride – A clean, green catalyst for the synthesis of Hantzsch 1,4-dihydropyridines (DHPs). 2010. *J. Indian Chem. Soc.* 87, 707-710. (ISSN: 0019-4522,)

13. Singh R, Singh M, **Krishan P**. Effect of sodium tungstate on obesity induced cardiac hypertrophy and oxidative stress. 2010 Lat. Am. J. Pharm. 29 (5): 747-53. (ISSN: 2362-3853.)
14. Singh R, Singh M, **Krishan P**. Modulation of impact of obesity in pathological and physiological cardiac hypertrophy by orlistat. 2010 Lat. Am. J. Pharm. 29 (5): 754-62. (ISSN: 2362-3853,).
15. **Krishan P**, Kaur J and Kumar R. Evaluation of angiotensin converting enzyme inhibitor (enalapril) and angiotensin receptor blocker (losartan) on nerve and vascular dysfunction in hypertensive type 2 diabetic neuropathic patients. 2010. J Pharm Educ Res 1(2): 55-61. (ISSN: 0019-5464,)
16. Singh R, Singh AP, Singh M, **Krishan P**. Impact of obesity on hypertension-induced cardiac remodeling: role of oxidative stress and its modulation by gemfibrozil treatment in rats. 2011 Free RadicBiol Med. 50(2):363-70. (ISSN: 0891-5849, Impact Factor: 6.326)
17. Mittal P, Kaushik D, Kaushik P, Gupta V, Ghaiye P and **Krishan P**. Therapeutic efficacy of phytochemicals as anti-epileptic - a review. 2011. Pharmacologyonline 1: 246-271. (ISSN: 1827-8620)
18. **Krishan P** and Vishal Arvind Chakkarwar. Diabetic nephropathy: Aggressive involvement of oxidative stress. 2011. J Pharm Educ Res 1(2): 35-41. (ISSN: 0019-5464,)
19. **Krishan P**, Robin Kumar and Raghuvansh Kumar. Effect of Lactobacillus rhamnosus on anthropometric parameters in obese hyperlipidemic patients. 2011 International Journal of Pharma Recent Research 3(1), 44-50. (ISSN: 0975-7066,)
20. **Krishan P** and Singh R, Clinical perspective of hypothyroidism. Journal of Applied Pharmaceutical Science 2011; 01: 64-68. (ISSN: 2231-3354,)
21. Chakkarwar VA, **Pawan K**. Combating NADPH oxidase in Diabetic Nephropathy: Most logical therapeutic target. Journal of Advances in Pharmacy and Healthcare Research 2011; 1: 39-45.
22. Balakumar, P., Sharma N, **Krishan P** and Mahadevan N., 2011. Linagliptin: A newly approved dipeptidyl peptidase-4 inhibitor for the management of type-2 diabetes mellitus. Int. J. Recent Adv. Pharm. Res., 3: 11-14.(ISSN: 0975-2366,).
23. Balakumar P, Babbar L, Kalra S, Mahadevan N, Sritharan S, **Krishan P**. Is hypertriglyceridemia a key detrimental factor or associative triggering factor for cardiovascular abnormalities? Systematic Reviews in Pharmacy. 2012; 3(1):1-3. (ISSN:0976-2779,)

24. Bhatti R S, Shah S, Suresh, **Krishan P**, and Sandhu J S. "Recent Pharmacological Developments on Rhodanines and 2,4-Thiazolidinediones," International Journal of Medicinal Chemistry, vol. 2013, Article ID 793260, 16 pages, 2013. doi:10.1155/2013/793260 (ISSN: 2090-2077,)
25. Syngle A, Verma I, Garg N, **Krishan P**. Autonomic dysfunction in psoriatic arthritis. ClinRheumatol. 2013; 32(7); 1059-1064. (ISSN: 1434-9949, Impact Factor: 2.141)
26. Syngle A, Verma I, **Krishan P**, Garg N (2013) Tumor necrosis factor inhibition may improve autonomic dysfunction in rheumatoid arthritis. IJRCI 1:CS7 (ISSN: 2320-7221,)
27. Syngle A, Verma I, **Krishan P** (2013) Interleukin-6 blockade improves autonomic dysfunction in rheumatoid arthritis. ActaReumato Port 2013;40(1):85-8.
28. Syngle A, Verma I, **Krishan P**, Garg N, Syngle V. Minocycline improves peripheral and autonomic neuropathy in type 2 diabetes: MIND study. Neurol Sci. 2013;35(7): 1067-7. (ISSN: 0022-510X, Impact Factor: 2.536)
29. Kaur J, Syngle A, **Krishan P**, Vohra K, Garg N, Kaur L, Chhabra M. IL-6 inhibition improves nitric oxide in rheumatoid arthritis. IJRCI. 2014;2(1):OA2 , 1-10. (ISSN: 2320-7221,)
30. Syngle A, Verma I, **Krishan P**, Nidhi Garg, Vijaita Syngle. Disease-modifying anti-rheumatic drugs improve autonomic neuropathy in arthritis: DIANA study. Clinical Rheumatology.2014;34(7):1233-41. (ISSN: 1434-9949, Impact Factor: 2.141)
31. Verma I, Syngle A, **Krishan P**. Spironoctone in Psoriatic Arthritis; Safety, Efficacy and Effect on Disease Activity. International Journal of Advanced Research. 2014; 2(11):660-664. (ISSN: 2320-5407, Impact Factor: 7.08)
32. Chanana P, Pandey A K, Yadav B S, Kaur J, Singla S, Dimri K, Trehan R and **Krishan P**. Significance of serum vascular endothelial growth factor and cancer antigen 15.3 in patients with triple negative breast cancer. Journal of Radiotherapy in Practice. 2014; 13(1):60-67. (ISSN:1467-1131,)
33. Garg N, Syngle A, Verma I, **Krishan P**. Soluble Adhesion molecules and Brachial Artery Vasodilator Function in Rheumatoid Arthritis. Article accepted. *The Pharma Research*. 2014; 11: 8-17. (ISSN 0975-8216,)
34. Verma I, Syngle A, **Krishan P**, Garg N. Autonomic neuropathy in rheumatoid arthritis and Ankylosing spondylitis: peripheral sympathetic and cardiovascular autonomic function assessment. *The Pharma Research*. 2014; (2014)11(2) 1-7. (ISSN 0975-8216,)
35. **Verma I**, Syngle A, **Krishan P**. Endothelial Function and Circulating Endothelial Progenitor Cells in Ankylosing Spondylitis. *IJRCI*. 2015;3(1):OA3. (ISSN: 2320-7221,)

36. Singh A P, Singh R and **Krishan P**. Ameliorative role of gemfibrozil against partial abdominal aortic constriction-induced cardiac hypertrophy in rats. *Cardiol Young*. 2015;25(4):725-30. (ISSN:1467-1107,)
37. Syngle A, Garg N, **Krishan P**. Rosuvastatin Improves Endothelial Progenitor Cells in Rheumatoid Arthritis. *International Journal of Advanced Research* (2014), Volume 2, Issue 6, 959 -966. (ISSN: 2320-5407, Impact Factor: 7.08)
38. Verma I, Syngle A, **Krishan P**. Endothelial Progenitor Cell Biology in Ankylosing Spondylitis". *International Journal of Rheumatic Diseases*. 2014; 18(3):336-40. (ISSN:1756-185X , Impact factor:2.423)
39. Verma I, Syngle A, Garg N, **Krishan P**. Association between cardiovascular autonomic neuropathy and peripheral sympathetic neuropathy in rheumatoid arthritis and ankylosing spondylitis patients. *The Pharma Research* (2014)11(2) 1-7. (ISSN 0975-8216,)
40. Verma I, **Krishan P**, Syngle A. TNF-alpha blockade may improve autonomic dysfunction in ankylosing spondylitis. *IJRCI*. 2014;2(1):CS4. (ISSN: 2320-7221,)
41. Garg N, Verma I, **Krishan P**, Syngle A. Brachial artery vasodilator function and adhesion molecules in rheumatoid arthritis. *The Pharma Research* (2014)11(2) 8-17. (ISSN 0975-8216,)
42. Garg N, Syngle A, Verma I, **Krishan P**. Endothelial Progenitor cells as cardiovascular surrogates in seropositive Rheumatoid Arthritis. *IJRCI* 2015;3(1):OA1.(ISSN: 2320-7221,)
43. Garg N, **Krishan P**, Syngle A. Rosuvastatin improves endothelial dysfunction in ankylosing spondylitis. *Clin. Rheumatol*. 2015;34(6):1065-71. (ISSN: 1434-9949, Impact Factor: 2.141)
44. Vohra K, **Krishan P**, Sudhir Varma, Harpreet Singh Kalra. Exploring the potential of low dose sulfasalazine in stable coronary artery disease patients: randomized, double blind, placebo controlled study. *Eur Heart Journal*. 2015; 1, 214–216. (ISSN:1522-9645 , Impact Factor: 23.425)
45. Verma I, **Krishan P**, Syngle A. Predictors of Atherosclerosis in AnkylosingSpondylitis. *RheumatolTher*. 2015. DOI 10.1007/s40744-015-0017-8. (ISSN: 2198-6584,)
46. Verma I, Syngle A, **Krishan P**. Endothelial progenitor cell biology in psoriatic arthritis patients in the absence of traditional cardiovascular risk. *Indian Journal of Rheumatology*. 2015. <http://dx.doi.org/10.1016/j.injr.2015.11.001> [Article in Press].(ISSN: 0973-3698,)
47. Verma I, Syngle A and **Krishan P**. Endothelial dysfunction in ankylosing spondylitis associated with reduced endothelial progenitor cell population. *IJRCI*. 2015;3(1):OA3. (ISSN: 2320-7221,)

48. Singh G and **Krishan P**. Recent advances in analytical methods for determination of creatinine. World journal of pharmacy and pharmaceutical sciences. 2015. 4, 03, 273-287 (ISSN: 2278-4357, Impact Factor: 7.421)
49. Syngle A, Verma I, **Krishan P**. Interleukin-6 blockade Improves Autonomic Dysfunction in Rheumatoid Arthritis. *ActaReumato Port*. 2015; 40(1):85-8.
50. Syngle A, Verma I, **Krishan P**, Syngle V. Disease Modifying Anti Rheumatic Drugs Improve Cardiovascular Autonomic Neuropathy in Psoriatic Arthritis. Therapeutic advances in musculoskeletal diseases, 2016; 8(2) 42–48. (ISSN: 1759720X,)
51. Syngle V, Syngle A, Garg N, **Krishan P** and Verma I. Predictors of autonomic neuropathy in rheumatoid arthritis. *Autonomic Neuroscience: Basic and Clinical*. 2016; 201: 54-59.
52. Garg N, **Krishan P**, Syngle A. Atherosclerosis in Psoriatic Arthritis: A Multiparametric Analysis Using Imaging Technique and Laboratory Markers of Inflammation and Vascular Function. *Int J Angiol*. 2016 Dec;25(4):222-228.
53. Kanchan, V, **Pawan, K**, Sudhir,V and Harpreet, S.K.. Effect of low-dose mineralocorticoid receptor antagonists on metabolic profile and endothelial dysfunction in metabolic syndrome. *Diabetes & Metabolism*. 2016; 42 (1): 65-66. (ISSN: 1262-3636,Impact Factor: 3.463)
54. Kumar R, **Krishan P**, Jhajj R. Health-related quality of life and factors affecting it in type-2 diabetic nephropathy patients: a cross sectional observational study. *Int J Res Med Sci*. 2016. 4(5): 1511-1517 (ISSN: 1449-1907, Impact factor: 2.284)
55. Vohra K, **Krishan P**, Sudhir Varma and Harpreet Singh Kalra. Sulfasalazine Improves Insulin Resistance and Endothelial Dysfunction in Metabolic Syndrome Patients. *British Journal of Medicine and Medical Research*. 2016; 11(2): 1-9. (ISSN: 2231-0614,)
56. Syngle V, Syngle A, Garg N, **Krishan P**, Inderjeet Verma. Predictors of autonomic neuropathy in rheumatoid arthritis. DOI: <http://dx.doi.org/10.1016/j.autneu.2016.07.008>
57. Jasmeen, **Krishan P**, Sudhir Varma, Harpreet Kalra and Kanchan Vohra. Sulfasalazine Induced DRESS Syndrome: A Review of Case Reports. *British Journal of Medicine and Medical Research*. 2016; 11(7): 1-11. (ISSN: 2231-0614,)
58. Verma I, Syngle A and **Krishan P**. Therapeutic effects of spironolactone on a collageninduced arthritis model of rheumatoid arthritis. *The Egyptian Rheumatologist*. 2016.(ISSN: 1110-1164,)

59. Syngle A, Verma I, **Krishan P**, and Syngle V. Disease-modifying antirheumatic drugs improve cardiovascular autonomic neuropathy in psoriatic arthritis. *Therapeutic Advances in Musculoskeletal Disease* April 2016 8: 42-48. (ISSN: 1759720X,)
60. Syngle A, Verma I, **Krishan P**. Interleukin-6 blockade improves autonomic dysfunction in Rheumatoid Arthritis. *Acta Reumatol Port.* 2016
61. Bedi O, **Pawan Krishan** and Singh G. Regulatory Requirements for Medical Devices: An Insight. *Applied Clinical Research, Clinical Trials & Regulatory Affairs*, 2016, 3, 1-10. (ISSN: 2213-4778,)
62. Verma I, Syngle A, **Krishan P**, Garg N. Endothelial progenitor cells as a marker of endothelial dysfunction and atherosclerosis in ankylosing spondylitis: A cross sectional study. *Int J Angiol.* 2017; 26(1):36-42. (ISSN : 1061-1711,)
63. Verma I, Syngle A, **Krishan P**. Predictors of endothelial dysfunction and atherosclerosis in rheumatoid arthritis in Indian population. *Indian Heart J.* 2017 Mar-Apr;69(2):200-206.
64. Garg N, Syngle A, **Krishan P**. Nitric Oxide: Link between Inflammation and Endothelial Dysfunction in Rheumatoid Arthritis. *Int J Angiol.* 2017 Sep;26(3):165-169.
65. Singh V, **Krishan P**, Shri R. Extraction of antioxidant phytoconstituents from onion waste. *Journal of Pharmacognosy and Phytochemistry.* 2017. 6: 502-505. (ISSN: 2278-4136,).
66. Singh V, **Krishan P**, Singh N, Kumar A, Shri R. Amelioration of ischemia-reperfusion induced functional and biochemical deficit in mice by *Ocimum kilimandscharicum* leaf extract. *Biomedicine & Pharmacotherapy.* 2017. 85: 556-563. (ISSN:1950-6007, Impact factor: 3.457)
67. Singh V, Chauhan G, **Krishan P**, Shri R. *Allium schoenoprasum* L.: A review of phytochemistry, pharmacology and future directions. *Natural Product Research.* 2017; 22. 1-15. (ISSN:1478-6427, Impact factor: 1.828)
68. Singh V, **Krishan P**, Shri R. Antioxidant mediated neuroprotection by *Allium schoenoprasum* L. leaf extract against ischemia reperfusion induced cerebral injury in mice. *Journal of Basic and Clinical Physiology and Pharmacology.* 2017 [Accepted for publication].(ISSN:2191-0286,)
69. Vohra K, **Krishan P**, Varma S, and Kalra H S. Effect of aldosterone antagonists on common carotid artery's intima-media thickness, stiffness indices and flow mediated vasodilatation of brachial artery in CAD patients. *2017.Artery Research* 18:69-72 (ISSN: 1872-9312,)

- 70. Krishan P**, Singh G, Bedi O. Carbohydrate restriction ameliorates nephropathy by reducing oxidative stress and upregulating HIF-1 α levels in type-1 diabetic rats. *J Diabetes MetabDisord.* **2017**;16: 47. Published 2017 Dec 19. doi:10.1186/s40200-017-0331-5 (ISSN: 2251-6581,)
- 71.** Singh V, **Krishan P**, Shri R. Improvement of memory and neurological deficit with *Ocimum basilicum* L. extract after ischemia reperfusion induced cerebral injury in mice. *Metabolic Brain Disease.* 2018 [DOI: 10.1007/s11011-018-0215-5; **IF- 2.2**]. (ISSN:1573-7365 Impact factor: 2.638)
- 72.** Singh V, **Krishan P**, Shri R. Amelioration of ischaemia reperfusion-induced cerebral injury in mice by liposomes containing Allium cepa fraction administered intranasally. *Artif Cells Nanomed Biotechnol.* 2018; 46(sup3): S982-S992.
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