

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.	% of Marks	Div./ Rank	Subjects Taken
1	Ph.D	2004	M D University, Rohtak		First	Pharmacology
2	M. Pharm	1997	Punjabi University, Patiala	60.66	First	Pharmacology
3	B. Pharm	1992	Bangalore University	62.66	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, (Ministry of Environment and Forests, Government of India)
13. External Expert Member, Technical Committee of Punjab State Pollution Control Board
14. Member, Institutional Animal Ethics Committee Punjabi University, Patiala.
15. Member, Institutional Ethics Committee Punjabi University, Patiala.
16. CPCSEA Nominee (Scientist from outside Institute), Institutional Animal Ethics Committee PGIMER, Chandigarh.
17. Member, Board of studies in Pharmaceutical Science, KUK.
18. 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.

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	Reader	06 Oct' 2005 to 05 Oct' 2011	Research Activities and Teaching (Pharmacology & Pharmacy Practice) For M. Pharm & B. Pharm Levels
3.	Pt. B D Sharma Post Graduate Institute of Medical Sciences, Rohtak	Lecturer	8 Years (Sep, 1997 to Oct, 2005)	Taught Physiology and Pharmacology
4.	Indo-Soviet Friendship College of Pharmacy, Moga	Lecturer	05 Months (May, 1997 to Sept, 1997)	Taught Pharmacology
5.	Mukur Pharmaceuticals Pvt. Ltd, Chandigarh	Asstt. Manufacturing Chemist	2 Years and 1 Month	Manufacture and Supervision of Production of Pharmaceuticals

Published Work:

Research Papers: 72

Conference/Seminar Presentation: 15

Books: 02

Book Chapters: 03

R & D Projects:

Project under implementation:

Principal Investigator: **Dr. Pawan Krishan**

S.No.	Title	Cost (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.	Rs. 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 grant commission (UGC) major research project. UGC Reference No. & Date: _F.41-725/2012 (SR) dated 23/07/2012	(Completed)

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: 03

Under guidance: 09

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

M.Pharm Students guided: 25**M.Pharm Students guided (Under Process): 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.	Clinical Pharmacology and Clinical Pharmacy	B. Pharm.
8.	Microbiology and Immunology	B. Pharm.

Technical Proficiency:

- Experience in carrying out research in experimental and clinical Pharmacology and toxicology.

List of Papers Published (list attached):

1. **Pawan Krishan**, Ajay Sharma and Manjeet Singh. Effect of Angiotensin converting enzyme inhibitors on ischaemia – reperfusion induced renal injury in rats. **Pharmacol. Res.** 1998; **37**: 23-29.
2. Budhiraja RD, **Krishan P**, and Sudhir S. Biological activity of Withanolides. **J. Sci. Industr. Res.** 2000; **59**: 904-911.
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.
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 Clin Pharmacol Toxicol.** 2008 Jan; 102(1):5-9.
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.
6. Semwal DK, Rawat U, Semwal R, Singh R, **Krishan P**, Singh M, Singh GJ. Chemical constituents from the leaves of *Boehmeria rugulosa* with antidiabetic and antimicrobial activities. *J Asian Nat Prod Res.* 2009 Dec;11(12):1045-55.
7. Kamal Kishore and **Pawan Krishan**. Pharmacology of recombinant or genetically engineered drugs. 2009. *Journal of Young Pharmacists.* 01(02).
8. Semwal Dk, Rawat U, Semwal R, Singh K, Singh R, Saini B, **Krishan P** And Singh M. Hypoglycemic effect of *Phoebe lanceolata* on alloxan -induced diabetic mice. 2009. *Pharmacologyonline* 1: 1021-1026.

9. Randhir Singh, **Pawan Krishan**. Modulation of impact of high fat diet in pathological and physiological left ventricular cardiac hypertrophy by fluvastatin.. 2010 *Biomedicine & Pharmacotherapy*. 64, 147–153.
10. Pitchai Balakumar, Ankur Rohilla, **Pawan Krishan** and Ponnu Solairaj, Arunachalam Thangathirupathi The multifaceted therapeutic potential of benfotiamine. 2010 *Pharmacological Research* 61:82–488.
11. Kumar Ravinder, Krishan Pawan, Swami Gaurav, Kaur Paramjot, Shah Gagan, and Kaur Appramdeep. Pharmacognostical Investigation of cymopgon citrates (DC) Stapf. 2010 *Der Pharmacia Lettre*, 2(2), 181-189.
12. Ravinder S. Bhatti, **Pawan Krishan**, 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.
13. Randhir Singh, Manjeet Singh, **Pawan Krishan**. Effect of sodium tungstate on obesity induced cardiac hypertrophy and oxidative stress. 2010 *Lat. Am. J. Pharm.* 29 (5): 747-53.
14. Randhir Singh, Manjeet Singh, **Pawan Krishan**. Modulation of impact of obesity in pathological and physiological cardiac hypertrophy by orlistat. 2010 *Lat. Am. J. Pharm.* 29 (5): 754-62.
15. **Pawan Krishan**, Jagamanpreet Kaur and Raghuvansh Kumar. 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.
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 Radic Biol Med*. 50(2):363-70.

17. Payal Mittal, Dhirender Kaushik, Pawan Kaushik, Vikas Gupta, Pankaj Ghaiye and Pawan **Krishan**. Therapeutic efficacy of phytochemicals as anti-epileptic - a review. 2011. *Pharmacologyonline* 1: 246-271.
18. **Pawan Krishan** and Vishal Arvind Chakkarwar. Diabetic nephropathy: Aggressive involvement of oxidative stress. 2011. *J Pharm Educ Res* 1(2): 35-41.
19. **Pawan Krishan**, 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
20. **Krishan P** & Singh Randhir, Clinical perspective of hypothyroidism. *Journal of Applied Pharmaceutical Science* 2011; 01: 64-68.
21. Chakkarwar VA, **Krishan Pawan**. Combating NADPH oxidase in Diabetic Nephropathy: Most logical therapeutic target. *JAPHR* 2011; 1: 39-45
22. Balakumar, P., N. Sharma, **P. Krishan** and N. Mahadevan, 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.
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.
24. Ravinder Singh Bhatti, Sakshi Shah, Suresh, **Pawan Krishan**, and Jagir S. Sandhu, "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
25. Syngle A, Vohra K, Khichi D, Garg N, **Verma I**, Kaur L. Spironolactone improves endothelial dysfunction in Ankylosing Spondylitis. *Clin Rheumatol*. 2013; 32: 1029-36.

26. Syngle A, Verma I, Garg N, **Krishan P**. Autonomic dysfunction in psoriatic arthritis. Clin Rheumatol. 2013; 32(7); 1059-1064.
27. Syngle A, Verma I, **Krishan P**, Garg N (2013) Tumor necrosis factor inhibition may improve autonomic dysfunction in rheumatoid arthritis. IJRCI 1:CS7
28. Syngle A, Verma I, **Krishan P** (2013) Interleukin-6 blockade improves autonomic dysfunction in rheumatoid arthritis. Acta Reumato Port 2013; 40(1):85-8.
29. 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.
30. 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.
31. Ashit Syngle, Inderjeet Verma, **Pawan Krishan**, Nidhi Garg, Vijaita Syngle. Disease-modifying anti-rheumatic drugs improve autonomic neuropathy in arthritis: DIANA study. Clinical Rheumatology. 2014; 34(7):1233-41.
32. Inderjeet Verma, Ashit Syngle, **Pawan Krishan**. Spironoctone in Psoriatic Arthritis; Safety, Efficacy and Effect on Disease Activity. International Journal of Advanced Research. 2014; 2(11):660-664.
33. Priyanka Chanana, Awadesh Kumar Pandey, Budhi Singh Yadav, Jasbinder Kaur, Seema Singla, Kislay Dimri, Romeeta Trehan and **Pawan Krishan**. 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.
34. 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.
35. 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.
36. **Verma I**, Syngle A, Krishan P. Endothelial Function and Circulating Endothelial Progenitor Cells in Ankylosing Spondylitis. *IJRCI*. 2015;3(1):OA3.

37. Amrit Pal Singh, Randhir Singh and **Pawan Krishan**. Ameliorative role of gemfibrozil against partial abdominal aortic constriction-induced cardiac hypertrophy in rats. *Cardiol Young*. 2015; 25(4):725-30.
38. Ashit Syngle, Nidhi Garg, **Pawan Krishan**. Rosuvastatin Improves Endothelial Progenitor Cells in Rheumatoid Arthritis. *International Journal of Advanced Research* (2014), Volume 2, Issue 6, 959 -966.
39. Inderjit Verma, Ashit Syngle, **Pawan Krishan**. Endothelial Progenitor Cell Biology in Ankylosing Spondylitis". *International Journal of Rheumatic Diseases*. 2014; 18(3):336-40.
40. Verma Inderjeet, Syngle Ashit, Garg Nidhi, **Krishan Pawan**. Association between cardiovascular autonomic neuropathy and peripheral sympathetic neuropathy in rheumatoid arthritis and ankylosing spondylitis patients. *The Pharma Research* (2014)11(2) 1-7
41. Inderjeet Verma, **Pawan Krishan**, Ashit Syngle. TNF-alpha blockade may improve autonomic dysfunction in ankylosing spondylitis. *IJRCI*. 2014;2(1):CS4
42. Nidhi Garg, Indrajeet Verma, **Pawan Krishan**, Ashit Syngle. Brachial artery vasodilator function and adhesion molecules in rheumatoid arthritis. *The Pharma Research* (2014)11(2) 8-17.
43. Singh V, **Krishan P**, Shri R. *Ocimum kilimandscharicum* Guerke: Phytochemical and Pharmacological Aspects: A Review. *Research And Reviews: Journal Of Pharmacognosy And Phytochemistry*. 2014; 2(3)
44. Garg N, Syngle A, Verma I, **Krishan P**. Endothelial Progenitor cells as cardiovascular surrogates in seropositive Rheumatoid Arthritis. *IJRCI* 2015;3(1):OA1.
45. Garg N, **Krishan P**, Syngle A. Rosuvastatin improves endothelial dysfunction in ankylosing spondylitis. *Clin. Rheumatol*. 2015;34(6):1065-71.
46. Kanchan Vohra, **Pawan Krishan**, 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
47. Verma I, **Krishan P**, Syngle A. Predictors of Atherosclerosis in Ankylosing Spondylitis. *Rheumatol Ther*. 2015. DOI 10.1007/s40744-015-0017-8.

48. 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].
49. Inderjeet Verma, Ashit Syngle and **Pawan Krishan**. Endothelial dysfunction in ankylosing spondylitis associated with reduced endothelial progenitor cell population. *IJRCI*. 2015;3(1):OA3
50. Gaaminepreet Singh and **Pawan Krishan**. Recent advances in analytical methods for determination of creatinine. *World journal of pharmacy and pharmaceutical sciences*. 2015. 4, 03, 273-287
51. Syngle A, Verma I, **Krishan P**. Interleukin-6 blockade Improves Autonomic Dysfunction in Rheumatoid Arthritis. *ActaReumato Port*. 2015; 40(1):85-8.
52. 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.
53. Ashit Syngle, Inderjeet Verma, **Pawan Krishan**, Simran Chahal, Vijaita Syngle. Tumor NecrosisFactor-alpha blockade with Etanercept Improves Autonomic Dysfunction in Rheumatoid Arthritis. Accepted in *Internet Journal of Rheumatology and Clinical Immunology*- July 2016.
54. Syngle V, Syngle A, Garg N, Krishan P, **Verma I**. Predictors of autonomic neuropathy in rheumatoid arthritis. *Autonomic Neuroscience: Basic and Clinical*. 2016; 201: 54-59.
55. Kanchan, V., **Pawan, K.**, Sudhir, V., 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.
56. Raghuvansh Kumar, **Pawan Krishan**, Roopkamal Jhaj. 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
57. Kanchan Vohra, **Pawan Krishan**, 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.

58. Vijaita Syngle, Ashit Syngle, Nidhi Garg, **Pawan Krishan**, Inderjeet Verma. Predictors of autonomic neuropathy in rheumatoid arthritis. DOI: <http://dx.doi.org/10.1016/j.autneu.2016.07.008>
59. Jasmeen, **Pawan Krishan**, 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.
60. Inderjeet Verma, Ashit Syngle and **Pawan Krishan**. Therapeutic effects of spironolactone on a collagen induced arthritis model of rheumatoid arthritis. The Egyptian Rheumatologist. 2016.
61. Ashit Syngle, Inderjeet Verma, **Pawan Krishan**, Simran Chahal, Vijaita Syngle. Tumor necrosis factor-alpha blockade with etanercept improves autonomic dysfunction in rheumatoid arthritis. IJRCI. 2016;4(1):CS4
62. Ashit Syngle, Inderjeet Verma, **Pawan Krishan**, and Vijaita Syngle. Disease-modifying antirheumatic drugs improve cardiovascular autonomic neuropathy in psoriatic arthritis. Therapeutic Advances in Musculoskeletal Disease April 2016 8: 42-48.
63. Ashit Syngle, Inderjeet Verma, **Pawan Krishan**. Interleukin-6 blockade improves autonomic dysfunction in Rheumatoid Arthritis. Acta Reumatol Port. 2016
64. Onkar Bedi, **Pawan Krishan** and Gaaminepreet Singh. Regulatory Requirements for Medical Devices: An Insight. Applied Clinical Research, Clinical Trials & Regulatory Affairs, 2016, 3, 1-10.
65. **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.
66. Singh V, **Krishan P**, Shri R. Extraction of antioxidant phytoconstituents from onion waste. Journal of Pharmacognosy and Phytochemistry. 2017. 6: 502-505.
67. 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.

68. **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. [IF-1.8]
69. **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].
70. 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
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].
72. Neelam Verma, Navpreet Kaur and **Pawan Krishan**. Application of molecular beacon based biosensor against rs 699 snp in hypertensive and non- hypertensive punjabi population. *International Journal of Pharmacognosy*. 2018. 5(1): 100-14.

Papers presented in conferences:

1. **Pawan Krishan**, Budhiraja RD, Arora B, Seth RK and Sudhir S. Hepatoprotective and antioxidant activity of withanolides from *Withania somnifera*. *Ind J of Physiol and Pharmacol*. 1999; **43**: 601-A (Abstr).
2. Sudhir S, Antarikshdeep and **Pawan Krishan**. A study of students' participation in the process of evaluation. *Ind J of Physiol and Pharmacol*. 1999; **43**: p 584-A (Abstr).
3. **Krishan P**, Budhiraja RD and Sudhir S. Effect of *Withania somnifera* (Ashwagandha) on haemopoietic system. *Ind J of Pharmacol*. 2000; **32**: 147 (Abstr).
4. **Pawan Krishan**, Budhiraja RD, Arora B and Sudhir S. Anti-inflammatory activity Withanolide fraction from *Withania somnifera* *Ind J of Physiol and Pharmacol* 2000 ; **43**: 51 (Abstr).
5. Sharan Sudhir, Dhall U, **P Krishan** and Antarikshdeep. "New recommendations of MCI" Impact on teaching learning process. *Ind J of Physiol and Pharmacol*. 2000; **43**: 39 (Abstr).
6. **P. Krishan**, R.D.Budhiraja, B. Arora and S.Sudhir. Evaluation of wound healing property of withanolides from *Withania somnifera*. *Ind J of Physiol and Pharmacol*. 2001; 44: 105 (Abstr).

7. S Sudhir, AK Vohra, Antarikshdeep and **P Krishan**. Trend in prescribing psychoactive drugs in PGIMS, Rohtak. Ind J of Physiol and Pharmacol . 2001; 44: 105 (Abstr).
8. **Pawan Krishan**, OP Rajan, B Arora, RD Budhiraja and S Sudhir. Effect of withanolides from *Withania somnifera* on male reproductive system. Ind J of Physiol and Pharmacol. 2004; **48**: 110 (Abstr).
9. Pawan Krishan, B Arora, RD Budhiraja and S Sudhir. Effect of withanolides from *Withania somnifera* on female reproductive system. Ind J of Physiol and Pharmacol. 2005; **49**(5): 95 (Abstr).
10. Pawan Krishan, B Arora, RD Budhiraja and S Sudhir. Antioxidant activity of withanolides from *Withania somnifera* . XXXIX Annual Conference of Indian Pharmacological Society. Dec 21-23, 2006.
11. Pawan Krishan, Vani Khatri, Raghuvansh Kumar, Balakumar P and Manjeet Singh. Cardiometabolic effects of policosanol and atorvastatin in hypercholesterolemic patients. 59th Indian Pharmaceutical congress, Dec 20th -23rd 2007.
12. Pawan Krishan, Raghuvansh Kumar and Prafulla Pawar. Comparison of efficacy and safety of sibutramine and orlistat in obese hyperlipidemic patients. 41st Annual Conference of Indian Pharmacological Society. Dec 18-20, 2008.

Books:

1. Ramandeep Kaur, **Pawan Krishan** and Biplab Debnath. Cardiovascular risks in patients with Subclinical hypothyroidism. Published by LAP Lambert Academic Publishing; 2016: ISBN: 978-3-659-92221-3.
2. **Pawan Krishan**, Onkar Bedi & Puneet Kumar. Evolving concepts in Coronary Artery Disease. Published by LAP Lambert Academic Publishing; 2017: ISBN: 978-3-330-32150-2

Book Chapter:

1. Contributed a book chapter entitled "Skin Cosmetics" in book "Cosmetic Technology" Authored by Sanju Nanda, Arun Nanda and Roop K Khar. Birla Publications Pvt. Ltd., Delhi.
2. **Krishan P**, Singh V and Richa Shri: Application of Biotechnology in conservation of Biodiversity. In "Biotechnology in Medicine and Herbal Drug development". Bansal P and Das SN (eds.). Chapter 32, pg 472-496. Published by Gulab Publishers, C4, New Multan Nagar, Rotak Road. New Delhi. (ISBN: 978-8192064-0-Book. 2014:472-496.

3. Recent advances in Drug Development by Prof. (Dr.) Deepak P. Bhagwat, Dr. Sameer Sapra and Payal Ahlawat; Publiised by Bharti Publications New Delhi-110002; Onkar Bedi, **Pawan Krishan** & Gaaminpreet Singh; Chapter second “Herbal induced Hepatototoxicity (HIH)” pg: 12-18; ISBN: 978-93-85000-38-6

(Dr. PAWAN KRISHAN)