

Bio-data

1.Name- **DR. SUMAN BALA SHARMA (nee PACHORI)**

2 Designation: **Director- Professor**

3 Date of Birth: 18.06.1956

4.Nationality: Indian

5. E-mail: drsbs08@hotmail.com

6.Mobile 09818041119

7.Qualification M.Sc., Ph.D. (Medical Biochemistry)

8.Department Biochemistry

9. Dates of Appointments

(i) In the teaching profession Oct. 1981, (Affiliated College/Univ.),
(S.N.Medical College,Agra
GSVM Medical College, Kanpur)

(ii) In the UCMS (University of Delhi)

Reader - 22nd August 1992

Professor - 22nd August 2000

Director- Professor - Dec. 2008 to till date

Date of Superannuation - 30th June, 2021

(iii) **ESIC, Medical college & Hospital, Faridabad**

Professor - Join on 24 th July, 2021 & still continuing

Teaching & Research Experience

I have been engaged actively in Teaching of Medical students (both UG and PG) in Prestigious Govt Medical colleges from past **thirty-five years** I am also engaged in active research from past four decades on various biochemical problems related to Diabetes and cardiovascular complications with special emphasis on medicinal plants which includes isolation and purification of active compounds of medicinal use.

i .US AND INDIAN PATENTS GRANTED – A U.S. Patent (No. **6,428,825** dt 6th August 2002) and Indian patents (**No.188759** dated May 2003) and **Product patent No 230753 February 2009**) have been granted for the isolation of active anti-hyperglycemic principle from the pulp of *Eugenia jambolana* in a ICMR funded project for which I was the Principal Investigator. U.S. Patent has been granted for the first time on research work done in the University College of Medical Sciences, Delhi. Since, diabetes mellitus is a most challenging health problem for the 21st Century in the developing countries. We are hopeful that after proper toxicological studies and clinical trials it would have commercial potential and would benefit patients suffering from diabetes mellitus.

ii. .Anti-hyperglycemic and hypolipidemic compound and a process thereof from cassia auriculata leaves. (Patent No.417835 dt 12th Jan , 2023)

Patent filed -

i. A process for the preparation of Alpha hydroxy Succinamic acid: A herbal anti-diabetic compound isolated from E. Jambolana. Patent application No. 201911030346 dated 26th July, 2019.

ii. A herbal compound from germinated Glycine Max seeds for controlling diabetes & dyslipidemia. Patent application No. 481/DEL/2014 has been filed on 19th Feb, 2014.

ii. AWARDS /HONORS/FELLOWSHIPS

1. UCMS LIFE TIME ACHIEVEMENT AWARD – To Prof S.B.Sharma(Ex-Director- Professor University college of Medical Sciences, Delhi)

A brilliant academician, renowned researcher, an excellent teacher having devoted life time to the UCMS, Delhi, 2022

2 Awarded ISAR FELLOW in recognition and appreciation for the outstanding contribution to atherosclerosis research. 8th Nov, 2019, LHMC, Delhi

3. Awarded ACBI FELLOW for recognition of outstanding contribution in 40th ACBICON, 2013, 3-6th Dec held at Delhi

4. Awarded Seth GS Medical College & KEM Hospital Oration Award at 29th ACBICON at Ranchi held on 12-14 December 2012

5. Awarded Fellowship of SOBSI for recognition of outstanding contribution towards the development of the medical and biological sciences at Jolly grant medical college Dehradun on 27th Jan 2012.

6..KURUP ORATION AWARD- Awarded in 23rd Annual Conference of Indian Society for Atherosclerosis Research & International Symposium on Atherosclerosis from Bench to Bedside held in 13th - 14th November, 2010 at University College of Medical Sciences & GTB Hospital, Delhi.

7.APCCB AWARD- Awarded in 10th Asian Pacific Congress of Clinical Biochemistry held in Sept. 2004 at Perth, Australia

8.ASIA B AWARD- I have been awarded ASIA-B award for the research work entitled “Coronary risk in the young male asymptomatic smokers” in the International Congress of Clinical Chemistry held on Oct. 2002 at Kyoto, Japan.

iii.Reviewer (Research Project)-

Indian Council of Medical research, New Delhi.

iv.Reviewer (Research Paper)-

1. Indian Journal of Medical Research, New Delhi
2. Current Pharmaceutical design, Spain
3. Medical Principals and Practice, Kuwait
4. Indian Journal of Clinical Biochemistry, India
5. Indian Journal of Experimental Biology, India

v.Membership of Academic Society-

- 1, Indian Society of Atherosclerosis Research- life member (NO. DC-LM-4)since 1998.
2. Association of clinical biochemists of India- life member(No.1123) since 18.3.1987

Research projects

Chief-Investigator

- 1.Effect of Succinamic acid derivative(alpha-HSA) derived from fruit pulp of *E.jambolana* on the growth kinetics-----Neck cancer cell line(SCC4), MRU, UCMS (2019-2021)
- 2.Design and synthesis of alpha hydroxylin STZ induced diabetic rats, ICMR, New Delhi (2015-19)
3. Effect of germinating *Glycine max* seeds on GPR55 gene expression – A potential receptor for type 2 diabetes ICMR, New Delhi (2013- 2015).
- 4.Studies on molecular mechanism of anti-hyperglycemic compound isolated from *Eugenia jambolana* in type 2 diabetes mellitus funded by ICMR, New Delhi (2012-2015)
- 5.. Assessment of sub-chronic effects of antidiabetic compound isolated from leaves of *Cassia auriculata* on liver in rat model. ICMR, New Delhi (2012-Jan 2014).
- 6.. Studies on isolation and mechanism of action of anti-hyperglycemic compound(s) from germinating seeds of *Glycine max* in experimental diabetes funded by UGC, New Delhi (2010-2013).

7. Molecular and Immuno-histochemical studies on Cardioprotective mechanism of Terminalia Arjuna, Eugenia Jambolana in Ischemic model of myocardial Infarction: An Experimental study funded by AYUSH , New Delhi , (2008-2011).
8. Effect of anti-diabetic compound isolated from E. jambolana on diabetic complications in experimental animals funded by ICMR, New Delhi 2006.
9. Studies on isolation and mechanism of action of the antihyperglycemic and hypolipidemic compound(s) from cassia auriculata leaf sponsored by Dept. of Science and Technology, New Delhi 2005
10. To evaluate the anti- diabetic activity of selected Indian plants of Cucurbitaceae family sponsored by Council of Scientific and Industrial Research New Delhi. 2004.
11. Investigations on Hypoglycemic activity of *Eugenia jambolana* in rabbits” sponsored by Indian Council of Medical Research (ICMR), New Delhi 1996-2002.
12. Study of Immunological response in mice treated with herbo-mineral preparation sponsored by Himalaya Drug Co. Ltd (Bangalore) 1993- 1994.

PUBLICATIONS

1. Book Published

Authored by: S.B. Sharma. Essentials of Medical Biochemistry (Based on MCQs & Case Oriented approach as per New MCI Curriculum) 1ST Edition. 2021. HP Hamilton Ltd .

2. Research Papers Published

1. Nikhil Khurana and **Suman bala Sharma**. Modulation of glucose metabolism related genes in diabetic rats treated with herbal synthetic anti-diabetic compound ((α -HSA) : insights from transcriptomic profiling. J Complement Integr Med 2023 Jul 4. doi: 10.1515/jcim-2023-0156

2. Nikhil Khurana, Pankaj Sharma, Sunita Bhagat, **SB Sharma**. "Modulation of Antidiabetic and Antioxidative Status in Experimental Diabetic Rats following Intake of a Novel Succinamic Acid Derivative(α -HSA)”. International . J. Diabetes 2021, 2(1) 68-75

3.S.V.Madhu^aAzazSiddiqui^aN.G.Desai^b**S.B.Sharma**^cA.K.Bansal^d Chronic stress, sense of coherence and risk of type 2 diabetes mellitus. Diabetes & Metabolic syndrome: Clinical Research &Reviews 2019, 13;18-23

4.Nikhil Khurana^{1,#}, Pankaj Sharma^{2,#}, Sunita Bhagat³, **Suman Bala Sharma**^{4,*},*Effect of a novel succinamic acid derivative as potential anti-diabetic agent in experimental diabetic rats.Journal of Drug Delivery and Therapeutics. 2018; 8(6-s):57-62

5.Aiman Abbas Jafri¹**Suman Bala Sharma**^{1*}, Kalpana Luthra², Mohit Mehndiratta¹, Nikhil Khurana¹ and Usha Rani Singh³ . Regulation of Gene Expression in Downstream Signaling Molecules by herbal Compound in Insulin Resistant Diabetic Rats. Altern Integr Med 2017, 6:243.

6.Kumari Asha,¹ Archana Singal,² Suman Bala Sharma,¹ Vinod Kumar Arora,³ and Amitesh Aggarwal⁴ .Dyslipidaemia& oxidative stress in patients of psoriasis: Emerging cardiovascular risk factors. Indian J Med Res. 2017 Dec; 146(6): 708–713.

7.Gupta R, **Sharma SB**, Singh UR. Salutory effects of Glycine Max seeds on post prandial hyperglycemia and dyslipidemia- evidence from in vivo and in vitro studies. AlternIntegr Med. 2017; vol6: Issue 2

8.Khurana N, **SharmaSB**, Jafri AA. Sharma AM. Azaphilones: Their Role in Various Biological Activities. Asian J Biomed PharmaceutSci 2017; 7(60):34.

9.Tanwar RS, **Sharma SB**, Prabhu KM. In vivo assessment of antidiabetic and antioxidative activity of natural phytochemical isolated from fruit-pulp of Eugenia jambolana in streptozotocin-induced diabetic rats. Redox rep. 2016 Sep 21:1-7.

10.Gupta G, **Sharma SB**, Gupta R, Gupta S, Singh UR. Assessment of prophylactic effect of Sennaauriculata (L.) Roxb. leaves on alcohol induced pancreatitis in rat model. Ind. Jr. of Experimental Biology. 2016 (Sep.) 54: 612-614

11.Aiman A Jafri, **Suman B Sharma**, Usha R Singh, KalpanaLuthra. Herbal Anti-hyperglycemic compound Improves Glycemic control and Insulin sensitivity in diabetic Rats.J. DiabetesObes 2016;3(2):1-6

12.SunitaMahto, **SumanBala Sharma**, ShridharDwivedi, Mani Sethi, Rahul Saxena. Potential role of apolipoprotein B /A1 ration in Obese and non –obese female patients of coronary artery disease. Asian Jr of Medical Sciences. Vol. 7(3) 2016 18-22.

13.GS Ranga, N Bansal,**SB Sharma**, R Avasthi.Human carcinoembryonic antigen is a useful biomarker for diagnosis of acute ischemic stroke-Apilot study. Neurology Asia 2016; 21(1): 1-6

14. Gajender Singh Ranga, Gaurav Muktesh, **SumanBala Sharma**, SV Madhu. A study of carcino embryonic antigen concentration in patients with coronary artery disease. *Journal of Acute Medicine*. 2016; 6: 11–18
15. KapilDev, **Suman B Sharma**, SeemaGarg, AmiteshAggarwal and MadhuSV: Glycated apolipoprotein B- A surrogate marker of subclinical atherosclerosis. *Diabetes & metabolic syndrome: clinical research & reviews*. online 9th Oct 2015
16. Santosh Kumar Shukla, **SumanBala Sharma**, Usha Rani Singh, Sayeed Hamad, Shridhar Dwivedi. Terminalia arjuna (Roxb.) Wight & Arn. Augments cardioprotection via antioxidant and anti-apoptotic cascade in isoproterenol induced cardiotoxicity in rats. *Ind. J. of Exp. Biol.* 2015; 53: 810-818.
17. Suruchi Vohra, Archana Singal, **SumanBala Sharma**. Clinical and serological efficacy of topical calcineurin inhibitors in oral lichen planus: a prospective randomized controlled trial. *International Journal of Dermatology*. doi: 10.1111/ijd.12887.
18. KapilDev, SeemaGarg, **Suman B Sharma**, AmiteshAggarwal and MadhuSV. Study on Association of APOB Gene Polymorphism with Glycation of Low Density Lipoprotein in Type 2 Diabetes. *J Diabetes Metab* 2015, 6:6
<http://dx.doi.org/10.4172/2155-6156.1000553>
19. Azaz Siddique, SV Madhu, **SB Sharma**. Endocrine stress responses and risk of type 2 diabetes. *Jr of STRESS*. DOI: 10.3109/10253890.2015.1067677
20. KapilDev, SeemaGarg, **Suman B Sharma**, AmiteshAggarwal, MadhuSV. Study on Association of APOB Gene Polymorphism with Glycation of Low Density Lipoprotein in Type 2 Diabetes. *J. Diabetes Metab* 2015, 6:6
21. Santosh Kumar Shukla, **SumanBala Sharma**, Usha Rani Singh. β -adrenoreceptor Agonist Isoproterenol Alters Oxidative Status, Inflammatory Signaling, Injury markers and Apoptotic Cell Death in Myocardium of Rats. *IJCB* 2015; 30(1): 27-3
22. Santosh k Shukla, **Suman B Sharma**, Usha R Singh. Pretreatment with α -tocopherol and Terminalia arjuna ameliorates pro-inflammatory cytokines, cardiac and apoptotic markers in myocardial infarcted rats. *Redox report*, 2015; 20(2): 49-59
23. Chhonker D, Faridi MM, Narang M, **Sharma SB**. Does type of feeding in infancy influence lipid profile in later life? *Indian J Pediatr*. 2015; 82(4): 345-8.

- 24.S.B. Sharma** and Richa Gupta. Drug Development from Natural Resource: A Systematic Approach. Mini-Reviews in Medicinal Chemistry,2015;15; DOI:10.2174/1389557515011224160518 page no.52-57
- 25.Santosh Kumar Shukla, **SumanBalaSharma**,Usha Rani Singh, SayeedAhamad,ShridharDwivedi, AnkurMaheshwari, ManmohanMisro. *Eugenia jambolana*Pretreatment Prevents Isoproterenol-Induced Myocardial Damage in Rats: Evidencefrom biochemical, molecular and histopathological studies. Journal of Medicinal Food2014. Feb 17 (2): 244-53.
- 26.Asha K, Sharma SB, Singal A, Aggarwal A. Association of carotid intima-media thickness with leptin and apolipoprotein b/apolipoprotein a-I ratio reveals imminent predictors of subclinical atherosclerosis in psoriasis patients.ActaMedica (HradeKralove). 2014; 57(1):21-7.
- 27.SunitaMahto, **SB Sharma**, S Dwivedi, D Puri, RL Tripathi. Biomarkers for early detection of Risk in Female Patients with Coronary Artery Disease: Pilot study.API 2013, 61; 23-25.
- 28.Santosh Kumar Shukla, SumanBala Sharma, Usha Rani Singh, SayeedAhamad, ShridharDwivedi, AnkurMaheshwari, ManmohanMisro. Eugenia jambolana Pretreatment Prevents Isoproterenol-Induced Myocardial Damage in Rats: Evidence from biochemical, molecular and histopathological studies. Journal of Medicinal Food 2014. Feb 17 (2): 244-53.
- 29.H.Anand, M. M. Misro, Sharma S. B. & S. Prakash. Cytoprotective effects of fruit pulp of Eugenia jambolana on H₂O₂-induced oxidative stress and apoptosis in rat Leydig cells in vitro.Andrologia 2012, XX, 1-13.
- 30.HimaniAnand ,M. M. Misro,**S. B. Sharma** ,SantPrakashsiRNAas a tool to delineatepathway channelization in H₂O₂ induced apoptosis of primary Leydig cells in vitro. Apoptosis. 2012; 17 (11) :1131-43.
- 31.Sharma, SumanB, Garg, Seema. Small Dense LDL: Risk Factor for Coronary Artery Disease (CAD) and its Therapeutic Modulation. Ind J Biochemistry &Biophysics,2012,49(2);77-85.
- 32.Richa Gupta, **SumanBala Sharma**. Effect of germinated Glycine max seeds on glycemic control in STZ+NAD induced type 2 diabetic models: a preliminary study. J ExpIntegr Med. 2012; 2(2): 155-160

33. Shipra Gupta, **SumanBala Sharma**, U R Singh, S K Bansal. Salutory effect of *Cassia auriculata* leaf extract on hyperglycemia-induced atherosclerotic environment in streptozotocin rats. Cardiovascular Toxicology 2011; 11(4):308-315.

34. Reenu Singh Tanwar, **SumanBala Sharma**, Usha Rani Singh and Krishna MadhavaPrabhu. Antiatherosclerotic Potential of Active Principle Isolated from *Eugenia jambolana* in Streptozotocin-Induced Diabetic Rats. Evidence-Based Complementary and Alternative Medicine 2011; 10: 1155.

35.SumanBala Sharma, Reenu Singh Tanwar, Afreena Nasir, Krishna MadhavaPrabhu. Antihyperlipidemic effect of active principle isolated from seed of *Eugenia jambolana* on alloxan induced diabetic rabbits. Journal of Medicinal Food ; 14 (4) 2010. DOI : 10.1089/jmf.2010.1227.

36. Reenu Singh Tanwar, **SumanBala Sharma**, Usha Rani Singh and Krishna MadhavaPrabhu. Attenuation of renal dysfunction by herbal compound isolated from *Eugenia jambolana* in Streptozotocin induced diabetic rats. Indian Journal of Biochemistry and Biophysics; 47; 83-89; 2010

37.SumanBala Sharma, Reenu Singh Tanwar, Rini AC, Usha Rani Singh, Shipra Gupta & Santosh Kumar Shukla. Protective effect of *Morus rubra* L. leaf extract on diet induced atherosclerosis in diabetic rats. Indian Journal of Biochemistry and Biophysics; 47(1); 26-31; 2010.

38. Shipra Gupta, **Suman B Sharma**, Usha Rani Singh, Surendra K Bansal, Krishna M Prabhu. Elucidation of Mechanism of Action of *Cassia auriculata* Leaf Extract for its Antidiabetic Activity in Streptozotocin-Induced Diabetic Rats. Journal of Medicinal Food June 2010; 13(3) ,528-534.

39. Santosh K. Shukla, Shipra Gupta, Shreesh K. Ojha, and **Suman B. Sharma**. Cardiovascular friendly natural products: A promising approach in the management of CVD. Natural Product Research 2010; 24; 9:873-898.

40.SumanBala Sharma, Shipra Gupta, Rini AC, Usha Rani Singh, Reenu Rajpoot and Santosh Kumar Shukla. Antidiabetogenic action of *Morus rubra* L. leaf extract in streptozotocin-induced diabetic rats. Journal of Pharmacy and Pharmacology 2010; 67: 247-255.

41.SumanBala Sharma, Reenu Rajpoot, Afreena Nasir, Krishna MadhavaPrabhu and Pothapragada Suryanarayana Murthy. Ameliorative effect of active principle isolated

from seeds of *Eugenia jambolana* on carbohydrate metabolism in experimental diabetes. Evidence Based Complementary and Alternative Medicine 2009, doi:10.1093/ecam/nep233.

42.Santosh Kumar Shukla, Shridhar Dwivedi, Usha Rani Singh, **Suman Bala Sharma**. Studies on antioxidant activity of water and hydroalcoholic extract of *Terminalia arjuna* in normal male albino rats. Journal of Advance Researches in Biological Sciences 2009;1(2):6-11.

43.Shipra Gupta, **Suman B Sharma**, Surendra K Bansal, Krishna M Prabhu. Ameliorative effect of *Cassia auriculata* leaf extract on blood glucose and atherogenic lipid profile in alloxan-induced diabetic rabbits. Indian Journal of Experimental Biology 2009; 47: 974-980.3

44.Shipra Gupta, **Suman B Sharma**, Surendra K Bansal, Krishna M Prabhu. Protective role of *Cassia auriculata* leaf extract against hyperglycemia-induced oxidative stress and its safety evaluation. Indian Journal of Biochemistry and Biophysics 2009; 46: 371-377.

45.Gupta Shipra, **Sharma SB**, Bansal SK & Prabhu KM. Antihyperglycemic and hypolipidemic activity of aqueous extract of *Cassia auriculata* L. leaves in experimental diabetes. J Ethnopharmacology 2009; 123: 499-503.

46.S Khanna, S Dwivedi, M P Agarwal, A Suneja, **S B Sharma**, A Agarwal. Atherosclerotic markers in pregnant mothers and umbilical cord blood of their offspring. Atherosclerosis Supplements 2008; 9(1):98. DOI:10.1016/S1567-5688(08)70392-1.

47.SV Madhu, S Kant, S Srivastava, R Kant, **S B Sharma**, D P Bhadoria. Post-Prandial lipaemia in patients with impaired fasting glucose, impaired glucose tolerance and diabetes mellitus. Diabetes research and clinical practice. 2008; 80(3):380-385.

48.Suman B sharma, Seema Garg, Abhinav Veerwal and Shridhar Dwivedi. hs-CRP and oxidative stress in young CAD patients: A pilot study. Indian journal of clinical biochemistry, 2008/ 23 (4) 334-336.

49.Nimmi, Puri D, Madhu SV and **Sharma SB**. "Assessment of oxidative stress and Endothelial dysfunction in Asian Indians with type 2 diabetes mellitus with and without macroangiopathy. Quarterly J of Medicine 2008; 101: 449-445.

50.HaridD, Faridi MMA, Agarwal A, **Sharma SB**. Lipid profile of term infants on exclusive breast feeding and mixed feeding. A comparative study. Eur. J.Clin. Nutr. 2008;62;203-209.

51.Kumar sunil, kumar Ritesh, **Sharma Suman Bala**, jain bhupendra Kumar. Effect of oral administration on oxidative stress, morbidity and mortality in critically ill surgical patients. IndJr.Gastroenterology.2007;26; 70-73.

52.Sharma SB, Prabhu KM, Nasir A, Murthy PS. Anti-hyperglycemic effect of the fruit pulp of *Eugenia-jambolana* in experimental diabetes mellitus. J.ethnopharmacology 2006; 104; 367-373.

53.Sharma SB. Cardioprotective medicinal plants of India. Proceedings of 15th International CME on Atherosclerosis, hypertension and Coronary artery disease 2005, UCMS, Delhi.

54.Sharma SB , Dwivedi S, Prabhu KM, Singh G, Kumar N, LalMK. Coronary risk variables in young asymptomatic smokers in East Delhi. Ind. J.Med.Res. 2005; 122; 205-10.

55.Malhotra V, Singh S, Singh KP, **Sharma SB**, Madhu SV, Gupta P, Tandon OP. Effect of yoga asanas and pranayama in non-insulin dependent diabetes mellitus. Indian Journal of Traditional Knowledge 2004; 3; 162-167.

56.Sharma SB, A Nasir, K M Prabhu, P S Murthy, G Dev. Hypoglycaemic and hypolipidaemic effect of ethanolic extract of seeds of *E. jambolana* in alloxan induced diabetic models of rabbits. J Ethnopharmacology 2003, 85: 201-206.

57.Malhotra V, Singh S, Singh KP, Gupta P, **Sharma SB**, Madhu SV, Tandon OP. Study of Yoga Asanas in assessment of pulmonary function in NIDDM patients. Ind J PhysiolPharmacol 2002; 46: 313-320.

58.Malhotra V, Singh S, Tandon OP, Madhu SV, Prasad A, **Sharma SB**. Effect of Yoga Asanas on Nerve conduction study in type 2 diabetes. Ind J PhysiolPharmacol 2002; 46(3): 298-306.

59.Singh S, Malhotra V, Singh KP, **Sharma SB**, Madhu SV, Tandon OP. A preliminary report on the role of Yoga Asanas on oxidative stress in Non-insulin dependent diabetes. Ind J ClinBioch 2001; 16(2): 216-220.

60.Khanna N, **Sharma SB**. Anti-inflammatory and analgesic effect of herbal preparation; Septilin. Ind J Med Sci 2001; 55: 195-202.

61.Sharma SB, Dwivedi S, Kumar N, Prabhu KM, Madan N. Studies on oxidative stress, serum iron and iron binding capacity in subjects prone to the risk of coronary artery disease. Indian Heart J 2000; 52(5): 583-586.

62.Shukla R, **Sharma SB**, Puri D, Murthy PS, Prabhu KM. Medicinal plants for treatment of diabetes – Review article. Indian J ClinBiochem 2000; 15(Suppl): 169-177.

63.Sharma SB, Dwivedi S, Prabhu KM, Kumar N, Baruah MC. Preliminary studies on serum lipids, Apolipoprotein B and oxidative stress in Xanthelasma. Indian J ClinBiochem 1999; 14: 245-248.

64.Sharma SB, Kumar Manoj SP, Monika. Changing trends (Clinico-Biochemical) in Gall-bladder stone disease - An observation. Indian J Med Sci 1998; 52: 309-316.

65.Ahmed RS, **Sharma SB**. Biochemical studies on combined effects of garlic (*Allium sativum* Linn) and ginger (*Zingiberofficinale* Rosc) in albino rats. Indian J ExptBiol: 1997; 35: 841-843.

66.Sharma SB, Ray S. Effect of herbal preparation on Immune response of Immunosuppressed mice. Indian J Physiol. Pharmacol 1997; 41: 293-296.

67.Sharma SB, Dwivedi S. Medicinal plants with hypolipidemic activities - Review article. Indian Drugs 1997; 34: 242-251 (Review article).

68.Pachori SB, Patney NL, Sharma BB, Hazra DK. Hypoglycaemic and hypocholesterolemic effect of rich fiber content diet in young growth onset diabetics. Indian Med Gaz 1997; 113:1-4.

69.Sharma SB, Gupta M, Pant MC. Effect of herbal drug on serum lipid profile in albino rabbits. Indian J Clin Biochem 1995; 10:116-118.

70.Kumar R, **Pachori SB**, Senger GK, Stayanand S, Joshi LD. ADA activity as a parameter in diagnosis of various arthritic conditions. Indian J ClinBiochem 1994; 9: 72-74.

71.Dwivedi S, **Pachori SB**, Amrita. Medicinal plants with hypotensive activity. Indian Practitioner 1994; 47: 117-134.

72.Pachori SB, Gupta M, Pant MC. Effect of Abana and Metoprolol on lipid profile in rabbits fed hyperlipidemic diet. Indian J Phys& Pharm 1993; 37: 252-254.

73.Agnihotri S, **PachoriSB**,Pandey DN, Pant MC. Biochemical effects of feeding pyrusmalus (Apple) in albino rabbits. Indian J Clinical Biochemistry 1990; 5: 91-94.

74.Sharma G, Sarkar A, **Pachori SB**, Pant MC. Biochemical evaluation of Rawtrichosanthedioica whole fruit and pulp in normal and mild diabetic human volunteers in relation to lipid profile. Ind. Drugs 1989; 27: 1-5.

75.Pachori SB,Maheswari AK, Pachori RM. Effect of zingiberofficinale (Ginger) on serum and urinary sodium levels in the normal albino rabbits. Ind. J Nutr Dietetics 1989; 26: 15-17.

76.Pachori SB, Maheswari AK, Pachori RM, Sharma BB. Study of fatty acid metabolism in ketosis resistant young diabetics after glucagon challenge. J Med Surg 1987; 27: 5-7.

77.Patney NL, **PachoriSB**,Wahal PK, Sharma BB. Study of dietary profile and serum lipid pattern in young Indian diabetics. J DiabAssoc India 1983; 23: 17-22.

78.Patney NL, Wahal PK, **Pachori SB**, Sharma BB, Maheswari BB. Caloric homeostasis by Glucose fatty acid cycle in ketosis prone and Ketosis resistant young Indian diabetics. J DiabAssoc India 1980; 20: 79.

79.Patney NL, **PachoriSB**,Wahal PK, Sharma BB. A study of serum lipoprotein pattern in precocious Ischaemic heart disease with and without diabetes mellitus. J DiabAssoc India 1979; 19: 207-212.

80.Patney NL, Wahal PK, Saxena SK, **Pachori SB**, Kumar A. Nocturnal diarrhoea in Diabetes Mellitus. J. Diabetic Assoc India 1979; 19: 135.

81.Patney NL, Wahal PK, Tandon PK, **PachoriSB**,Saxena SK, Srivastav VK, Kumar A. Morphology of Jejunal mucosa in diabetes mellitus. J Diabetic Assoc India 1979; 19: 89-101

