Dr Arvind K. Srivastava is currently working as Professor in the Department of Food & Nutrition, and is also holding the post of Dean, Faculty of Science, Era University, Lucknow since its inception. He is specialist in design and development of new therapeutics for nutritional diseases, Nutraceuticals and Nutritional Biochemistry and has over 40 years of research and teaching experience. He was Chief Scientist and Head, Department of Biochemistry, CSIR-Central Drug Research Institute, Lucknow. He is recipient of prestigious Alexander von Humboldt Fellowship of Federal Republic of Germany and Post Doctoral Scientist award of University of Vermont, Burlington Vermont, United States of America. He was visiting Scientist in Poland and Slovak Republic. He has published over 250 original research articles in various journals of International repute and contributed many of the chapters in books and published review articles. He is currently supervising 08 research scholars for the award of Ph.D. degree to them at Era University. His current research focuses on the utilization of least studied plant products and their use in the preparation of therapeutic edibles.

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Academic Background

Masters –	M.Sc. (Biochemistry), Lucknow University, Lucknow (India) / 1975
Doctorate –	Ph.D. (Biological Chemistry), Kanpur University, Kanpur (India)/1981

Awards

Junior Research Fellowship (CSIR, New Delhi 1976-78

Senior Research Fellowship (CSIR, New Delhi) 1978-81

Research Associate (ICMR, New Delhi) 1982-83

Post Doctoral Associate (WHO/NIH) 1983

Alexander von Humboldt Fellowship (FRG) 1985

Post Doctoral/Professional Experience:

Duration	Institution	Particulars of Work Done
1981-1983 Post Doc.	Central Drug Research Instutute, Lucknow (India)	Studies on microfilarial sheath (Isolation & Biochemical make-up)
1983-1985 Res. Associate	Department of Pharamacology University of Vermont, Burlington Vermont, USA	Elucidation of pathways of glycerophospholipids synthesis in filarial worms
1985-1987 V.Scientist	Department of Biochemistry Bernhard Notch Institute for Disease, Humburg, West Germany	Metabolic studies using radioisotopes, purification of membrane bound enzymes, kinetic and characterization studies etc. in filarial worms.
1987- 2015 Scientist & Head	Div. of Biochemistry CSIR-Central Drug Research Institute, Lucknow (India)	Biochemistry of filarial worms and malaria parasites with particular emphasis to their glutathione metabolism as drug targets; Discovery and development of new antidiabetic and antidyslipidemic agents
2018-2020 Prof & Head	Department of Food & Nutrition, Era University, Lucknow	Exploration of edible substances of low economic value
2021-till date Dean & Chief Coordinator (Ph.D. Program)	Faculty of Science & Liberal Education Era University	

Current Research Interests: Role of Diet and Selected herbs in the management of metabolic syndrome

Publications/Review articles/Chapter in books/Patents

Peer Reviewed Publications >250

Review Articles 5; Patents >20;

Chapter in Books

Ph.D. Students Supervised 22 (1987-2015)

Students working for Ph.D. degree 08

Annexure-I. Publications in

Standard Referred Journals

1. Effect of antifilarials on the metabolic activity of *Setaria cervi*
Nuzhat Anwar, **A.K. Srivastava** and S. Ghatak,
Indian J. Parasitology, 3 (2), 101 (1978).

2. Comparative susceptibility of rodents to *Setaria cervi* infection;
A.K. Srivastava and S. Ghatak,
Indian Vet. J., 60, 421 (1983).

3. *In vitro* action of antifilarials on synthesis of macromolecules by *Setaria cervi* adults;
A.K. Srivastava and S. Ghatak,
Current Science, 52, 303 (1983).

4. Pathophysiological effects of *Setaria cervi* parasitization in *Mastomys natalensis*;
A.K. Srivastava, N. Sethi and S. Ghatak,
Indian Vet. J, 60, 700 (1983).

5. Lysosomal enzymes in *Mastomys natalensis* during *Dipetalonema viteae* infection;
A.K. Srivastava, D.P. Singh, RK. Chatterjee and S. Ghatak,
Tropenmed. Parasit., 34, 174 (1983).

6. Lysosomal enzymes in the spleen of albino rats, albino mice and *Mastomys natalensis* during *Plasmodium berghei* infection
J.K. Saxena, S. Khare, **A.K. Srivastava**, A.B. Sen and S. Ghatak,
Aust. J. Exp. Biol. and Medical Sciences, 21, 637 (1983).

7. Pattern of certain marker enzymes of hepatic tissue of *Mastomys natalensis* parasitized with *Setaria cervi*
A.K. Srivastava, J.K. Saxena and S. Ghatak,
Indian J. Animal Health, 23 (1), 13 (1984)

8. Protein kinases in different life stages of *Brugia malayi* and other filarial worms;
J.K. Saxena, **A.K. Srivastava** , P. Kalpnana Murti, R.K. Chatterjee, S. Ghatak and RD. Walter,
Tropenmed. Parasit., 35, 174 (1984).

9. Hepatic microsomal alterations during *Dipetalonema viteae* infection in *Mastomys natalensis*
Arvind K. Srivastava, RK. Chatterjee and S. Ghatak,
International J. Parasitology 12, 171 (1985).

10. Hepatic and hydrolases of albino rats, *Mastomys natalensis* and albino mic during *Plasmodium berghei* infection
J.K. Saxena, S. Khare, **Arvind K. Srivastava**, A.B. Sen and S. Ghatak,
Experientia, 41, 472 (1985).

11. A method for isolation and purification of sheath of microfilariae of Brugia malayi;
Arvind K. Srivastava,

J. Parasitology, 71, 257 (1985).

12. Surface topography of the adults of *Setaria cervi* (Nematoda: Filarioidea)
A.K. Srivastava, S.C. Maitra, A.C. Shipstone and S. Ghatak
Indian Vet. J., 62, 656 (1985).

13. Phosphatidy1choline synthesis in adult *Dirofilaria immitis* females;
Arvind K. Srivastava and Julian J. Jaffe,
International J. Parasitology, 15, 27 (1985).

14. Phosphatidylethanolamine synthesis in adult *Dirofilaria immitis* females;
Arvind K. Srivastava, Julian J. Jaffe and Roger A. Lambert
International J. Parasitology, 15, 429 (1985).

15. Phosphatidylserine synthesis in adult *Dirofilaria immitis* females;
Arvind K. Srivastava and S. Ghatak,
International J. Parasitology, 16, 9 (1986).

16. Placental and fetal responses to repeated administration of chloroquine in albino rats
Archana Rawat, N. Sethi, S. Ghatak and **Arvind K. Srivastava**,
IRCS Medical Sciences, 14, 717 (1986).

17. *Brugia malayi:* Physiopathological changes during infection in multimammate rats.
1. Histological studies;
P.K. Murthy, **Arvind K. Srivastava**, Anujulika Joshi, A.B. Sen, P.S.R. Murthy and S. Ghatak,
IRCS Medical Sciences, 14, 1106 (1986).
18. *Brugia malayi:* Physiopathological changes during infection in multimammate rats. II. Enzymic studies
Arvind K. Srivastava, P.K. Murthy, Anjulika Joshi, A.B. Sen, P.S.R. Murthy and S. Ghatak,
IRCS Medical Sciences, 14, 1108 (1986).

19. Phosphatidylinositol, phosphatidylglycerol and cardiolipin synthesis in adult *Dirofilaria immitis* females
Arvind K. Srivastava and Julian J. Jaffe,
International J. Parasitology, 17, 917 (1987).

20. Physiopathological changes during *Ancylostoma ceylanicum* infection in golden hamsters *Mesocricetus auratus*;
M.M. Khan**, A.K. Srivastava**, P.K.S. Visen, J.C. Katiyar and S. Ghatak
Rivista Di Parasitologia (In Press).

21. Acid and alkaline hydrolases of jejunum of experimental animals during hookworm infection
M.M. Khan, **A.K. Srivastava**, Anuradha Misra, J.C. Katiyar and S. Ghatak,
Rivista di Parasitologia IV (XL VIII)-N, 1,125-129 (1987).

22. Effect of 3,5-dibromo-2-chloro-salycylanilide-4-isothiocyanate on intermediary metabolism of *Hymenolepis diminuta;*
A.K. Srivastava, Suman Gupta, J.C. Katiyar and S. Ghatak,
Rivista di Parasitologia IV (XLVIII)-N, 135-137 (1987).
23. Synthetic pathways of glycerophospholipids in adult *Brugia pahangi* and *Brugia patei*

Arvind K. Srivastava, Rolf D. Walter and Julian l Jaffe,
International J. Parasitology, 17, 1321 (1987).

24. Inhibition of phosphatidylglycerolphosphate synthetase (EC 2.7.8.5) from *Onchocerca volvulus*, *Ascaris suum* and rat liver by suramin
A.K. Srivastava and Rolf D. Walter,
Medical Science Research, 15, 435 (1987).

25. Effect of ivermectin on phosphatidylglycerolphosphate synthetase (EC 2.7.8.5) from *Onchocerca volvulus*\
Arvind K. Srivastava and Rolf D. Walter,
Medical Science Research, 15, 1337 (1987).

26. Amino acid carbohydrate transformations in adult *Setaria cervi* females
Arvind K. Srivastava and S. Ghatak,
Current Science, 59, 168 (1990).

27. γ-glutamyl-transpeptidase in lymphatic tissues of *Mastomys natalensis* during an infection with *Acanthocheilonema viteae*
S.N. Singh, **Arvind K. Srivastava**, Sudhir C. Gupta, R.K. Chatterjee and K.C. Saxena.
Experimentia, 46, 742-744 (1990).

28 Effect of thiabendazole and mebendazole on *in vitro* metabolism of *Nippostrongylus brasiliensis* adults
Anuradha Misra, **Arvind K. Srivastava**, J.C Katiyar and S. Ghatak,
Indian Journal of Medical Research [A], 91, 55-58 (1990).

29. Effect of thiabendazole and mebendazole on certain biochemical parameters of *Nippostrongylus brasiliensis* infected albino rats
Anuradha Misra and **Arvind K. Srivastava,**
Indian Journal of Parasitology, 14(2), 125-127 (1990).

30. Effect of *Leishmania donovani* infection on the activity of γ-glutamyl transpeptidase in lymphoid tissues of *Mesocricetus auratus*
Ajai K. Singh, **Arvind K. Srivastava**, Sudhir C. Gupta, P. Y. Guru, A.K. Rastogi and N .K. Garg,
Indian Journal of Parasitology, 14(1), 83-87 (1990).

31. N-acetyl-β-D-glucosaminidase activity of lymphoid tissues of *Mesocricetus auratus* during *Leishmania donovani* infection
A.K. Singh, **A.K. Srivastava**, P.Y. Guru, A.K. Rastogi and N.K. Garg,
Medical Science Research, 20, 491 (1992).

32. Interaction between filarial parasites and hepatic cytochrome P4S0/b_5 components of *Mastomys natalensis*
S.N. Singh, **Arvind K. Srivastava** and R.K. Chatterjee
Indian J. Parasitology, 17, 5 (1993).

33. A quantitative study of the two lysosomal enzymes in lymphoid tissues/cells of *Mastomys natalensis* during an infection with *Acanthocheilonema viteae*;
S.N. Singh, **Arvind K. Srivastava** and RK. Chatterjee,

Helminthologia, 30, 15 (1993).

34. Effect of *Acanthocheilonema viteae* infection on glutathione metabolism in lymphoid tissues/cells of *Mastomys natalensis*
S.N. Singh, Arvind K. Srivastava and R.K. Chatterjee,
Helminthologia, 30, 127 (1993).

35. Effect of Picroliv and Silymarin on liver regeneration in rats
Savita Srivastava, **A.K. Srivastava**, Sudhir Srivastava, G.K. Patnaik and B.N. Dhawan,
Indian J. Pharmacology 26, 19 (1994).

36. Effect of glycosides of *Streblus asper* on motility, glucose uptake and enzymes of carbohydrate metabolism of *Setaria cervi* females
S.N. Singh, RK. Chatterjee and **Arvind K. Srivastava**,
Drug Development Research 32, 191 (1994).

37. Isolation, partial purification and some properties of protein kinase 1, protein kinase II and protein kinase III from *Setaria cervi* females
Arvind K. Srivastava, J.K. Saxena, S.N. Singh, RP. Singh, RK. Chatterjee and S. Ghatak
Indian J. Parasitology 18, 39 (1994).

38. Glutathione-s-transferase activity in *Setaria cervi* females and effect of new antifilarial compounds
Arvind K. Srivastava, R.P. Tripathi, A.R. Khan, A.P. Bhaduri and S.N. Singh,
Indian J. Parasitology 18, 127 (1994).

39 Effect of 3-0-(aminoalkyl) a-D-gluco(xylo)furanoses on glutathione metabolism of bovine filarial parasites
Arvind K. Srivastava, R.P. Tripathi, A.R Khan, A.P. Bhaduri, S.N. Singh and RK. Chatterjee,
Helminthologia 32, 25 (1995).

40. Effect of Picroliv on liver regeneration in rats
Savita Srivastava, **Arvind K. Srivastava**, G.K. Patnaik and RN. Dhawan,
Fitoterapia LXVlll (3), 252 (1996).

41. γ-Glutamyl transpeptidase activity in adult *Setaria cervi* and *Acanthocheilonema viteae* and the effect of inhibitors
S.N. Singh, **Arvind K. Srivastava** and RK. Chatterjee,
J. Parasitic Diseases 20 (2), 163 (1996).

42. Presence of glutathione, glutathione reductase and glutathione peroxidase in filarial parasites
S.N. Singh, **Arvind K. Srivastava** and RK. Chatteljee,
Helminthologia 34(2), 70 (1997).

43. Effect of picroliv and silymarin on liver regeneration in carbon tetrachloride treated rats
Savita Srivastava, **Arvind K. Srivastava**, G.K. Patnaik and B.N. Dhawan,
J. Pharm. Res. Dev. 2, 9-13 (1997).

44. Hepatoprotection by 3-cyano-5-ethenyl-4-methyl-5-pyridine (compound 89/62) against experimentally induced liver injury in rats

Savita Srivastava, S.C. Tripathi, **Arvind K. Srivastava**, D.S. Bhakuni, R.P. Tripathi and G.K. Patnaik,
Acta Pharmaceutica 47(2), 117 (1997).

45**.** Effect of Picroliv on impaired mixed function oxidase system in carbon tetrachloride treated rats.Ravi Rastogi, **Arvind K. Srivastava** and Bhola N. Dhawan,
Drug Development Research 41, 44 (1997).

46 Prevention of Phenobarbitone induced biochemical changes in liver and serum of rats by Picroliv
Ravi Rastogi, **Arvind K. Srivastava**, and B.N. Dhawan ,
Acta Pharmaceutica, 48, 77-84 (1998).

47. Antifilarial glycosides of Streblus asper: Effect on metabolism of adult Setaria cervi females
Helminthologia, 35(4) 173-178 (1998).

48. Hepatocurative effective of picroliv and silymarin against aflatoxin B_1 induced hepatotoxicity in rats
Ravi Rastogi, **Arvind Kumar Srivastava**, Mukesh Srivastava, Anil Kumar Rastogi,
Planta Medica, 66, 1-5 (2000) (impact factor 2.339)

49. Long term effect of aflatoxin B_1 on lipid peroxidation in rat liver and kidney: Effect of Picroliv and Silymarin
Ravi Rastogi, **Arvind Kumar Srivastava** and Anil Kumar Rastogi,
Phytotherapy Research, 14, 1-4 (2000) (impact factor 2.397)

50. Biochemical changes induced in liver and serum of Aflatoxin B_1 treated male wistar rats: Preventive effect of Picroliv
Ravi Rastogi, **Arvind Kumar Srivastava**, Anil Kumar Rastogi,
Basic and clinical Pharmacology & Toxicology, 87, 1-6 (2000) (impact factor 2.294)

51. Effect of *Aegle marmelos* and *Hibiscus rosa sinensis* leaf extracts on glucose tolerance in glucose induced hyperglycaemic rats (Charles Foster)
J. Environ. Biology. 22: 53-57 (2001) (impact factor 0.550)

52. Identification of novel α-glucosidase inhibitors by screening libraries based on N- [4-(benzyloxy) benzoyl] alanine derivative
B. Kundu, S. K. Rastogi, R. Ahmad and **A.K. Srivastava**,
Combinatorial Chemistry and High throughput Screening, 5, 545- 550 (2002) (impact factor 2.461)

53. Depletion of Intracellular Glutathione of *Setaria cervi* by Buthionine sulfoximine, Carmustine and their analogues
Sapna Gupta, Ramapati Tripathi and **Arvind K. Srivastava** and Jawaid Iqbal,
Proceedings: 6th World Multiconference on Systematics, Cybernetics and Informatics Volume XVII Industrial Systems and Engineering III pp 491-496 (2002)

54. DBU Assisted Cyclotransferase Elimination: Combinatorial Synthesis and Gamma-glutamyl cysteine Synthetase & Glutathione-S-transferase(s) modulatory effect of C- nucleoside Analogs
R.C. Mishra, Neetu Singh, Kavita Arora, Rumana Ahmad, R.P. Tripathi,

V.K.Tiwari, R.D. Walter and **A.K. Srivastava**,
Combinatorial Chemistry & High Throughput Screening, 6; 37-50 (2003) (impact factor 2.461)

55. Synthesis and Antifilarial Evaluation of N^1, N^n-Xylofuranosylated Diaminoalkanes
V.K Tiwari, Neetu Tewari, Diksha Katiyar, R.P. Tripathi, Kavita Arora, Sapna Gupta, Rumana Ahmad, **A.K Srivastava**, A. Khan and P.K. Murthy,
Bioorg. Med. Chem., 11, 1789 –1800 (2003) (impact factor 2.903)

56. Synthesis and bioevaluation of Glycosyl Ureas as α-Glucosidase inhibitors and their effect on Mycobacterium
Neetu Tewari, V.K Tiwari, R.C. Mishra, R.P. Tripathi, **A.K. Srivastava**, R. Ahmad, R. Srivastava and B.S. Srivastava,
Bioorg. Med. Chem., 11, 2911-2922 (2003) (impact factor 2.903)

57. Hepatoprotection by 3-bromo-6-(4-chlorophenyl)-4-methylthio-2H-pyran-2-one against experimentally induced liver injury in rats
Brajendra Kumar Tripathi, Savita Srivastava, Ravi Rastogi, Deepak Raina, Vishnu ji Ram, **Arvind Kumar Srivastava**,
Acta Pharmaceutica, 53, 91-100 (2003) (impact factor 1.025)

58. Synthesis and Antihyperglycaemic activity of suitably functionalised 4(3H)-Quinozolones
Vishnu Ji Ram, Farhanullah, Brajendra K. Tripathi, **Arvind K. Srivastava,**
Bioorg. Med. Chem., 11, 2439-2444 (2003) (impact factor 2.903)

59. Synthesis of bicyclic biaryls as glucose 6-phosphatase inhibitors;
Farhanullah, Brajendra K. Tripathi, **Arvind K. Srivastava** and Vishnu J. Ram;
Bioorg. Med. Chem., 12 (6): 1543-1549 (2004) (impact factor 2.903)

60. Synthesis and glucose-6-phosphatase inhibitory activity of thiouriedo alkanoic acid esters
Farhanullah, Brajendra K.Tripathi, **Arvind K. Srivastava** and Vishnu J Ram,
Bioorg. Med. Chem. Letters, 14 (10): 2571-2574 (2004) (impact factor 2.338)

61. Synthesis of α-mannosylated phenolics as α-glucosidase inhibitors
A.R. Khan, V.K. Tiwari, **A.K. Srivastava** and R.P. Tripathi
J. Enzyme Inhibition Med. Chem., 19(2) 107-112, (2004) (impact factor 2.383)

62. Synthesis and Antihyperglycaemic activity of chalcone based aryloxypropanolamines
M. Satyanarayana, Priti Tiwari, Brajendra K. Tripathi, **A.K. Srivastava** and Ram Pratap,
Bioorg. Med. Chem., 12, 883-889 (2004) (impact factor 2.903)

63. Antihyperglycemic activity of 2-methyl-3,4,5-trialy-1 H-pyroles in SLM and STZ models
Atul Goel, Nidhi Agarwal, Fateh V. Singh, Ashoke Sharon, Priti Tiwari, Manish Dixit, Ramendra Pratap, **Arvind K. Srivastava**, Prakas R. Maulik and Vishnu J.Ram,
Bioorg. Med. Chem. Letters, 14 (5), 1089-1092 (2004) (impact factor 2.338)

64. Reductive amination of glycosyl aldoses: Synthesis of N-glycosylated β –glycosyl amino alcohols and their antidiabetic potential
S.S. Verma, R.C. Mishra, A.K. Tamrakar, B.K. Tripathi, **A.K. Srivastava**, and R.P. Tripathi;
J. Carbohydrate Chem., 23 (8/9); 493-511 (2004) (impact factor 1.055)

65. Hepatoprotective effect of Picroliv
Brajendra Kumar Tripathi and **Arvind K.Srivastava;**
Med. Chem. Res., 22 (2004) (impact factor 0.286)

66. Inhibitors of filarial Gamma-glutamyl cycle enzymes as possible macrofilaricidal agents
S. Gupta, K. Arora, V.K. Tiwari, D. Katiyar, R.P. Tripathi, **Arvind K. Srivastava** and R.D. Walter.
Med. Chem. Res., 13 (8/9), 707-723 (2004) (impact factor 0.286)

67. Modulation of filarial glutathione-S-transferases (S) activity: A possibility towards the synthesis of new classes of antifilarial agents
R. Ahmad, R. C. Mishra, N. Tewari, R.P. Tripathi, **Arvind K. Srivastava** and R.D. Walter.
Med. Chem. Res., 13 (8/9), 724-745 (2004) (impact factor 0.286)

68. Glutathione synthesis in filarial worms: an attractive target for the design and synthesis of new antifilarials
Kavita Arora, R.C. Mishra, R.P. Tripathi, Arvind K.Srivastava, Rolf D. Walter
Med. Chem. Res., 13 (8/9), 687-706 (2004) (impact factor 0.286)

69. Synthesis and antihyperglycemic activity profiles of novel thiazolidinedione derivatives
Bhat BA, Ponnala S, Sahu DP, Tiwari P, Tripathi BK, Srivastava AK..
Bioorg. Med Chem., 12 (22), 5857-5864 (2004) (impact factor 2.903)

70. Biochemical targets in filarial worms for selective antifilarial drug design
S. Gupta and **A.K. Srivastava**
Acta Parasitologica, 50(1), 1-18 (2005) (impact factor 1.144)

71. Gamma-glutamyl transpeptidase activity in adult Setaria cervi (filarial worms)
S. Gupta, **A.K. Srivastava** and N. Banu;
Helminthologia, 42(2), 57-61 (2005) (impact factor 0.847)

72. Synthesis and in vivo antihyperglycemic activity of 5-(1H-pyrazol-3-yl) methyl 1H-tetrazoles
Sharon A, Pratap R, Tiwari P, **Srivastava A**, Maulik PR, Ram VJ
Bioorg. Med. Chem. Letters, 15(8), 2115-2117 (2005) **(impact factor 2.338)**

73. Glutathione synthetase from filarial worms Setaria cervi: Kinetic studies by High performance liquid chromatography
S. Gupta, **A.K Srivastava** and N. Banu
Experimental Parasitology, 111(2), 137-141 (2005) (impact factor 1.841)

74. Prevalence of insulin resistance in first-degree relatives of Type 2 diabetes mellitus patients: A prospective study in North Indian population.
A. Kumar, P Tewari, S. S. Sahoo, **Arvind K Srivastava**;
Indian J Clinical Biochemistry, 20 (2), 10-17 (2005)

75. Antimalarial efficacy of methylene blue and menadione and their effect on glutathione metabolism of Plasmodium yoelli-infected albino mice.
Kavita Arora and **Arvind K.Srivastava**
Parasitology Research, 97 (6) 521-526 (2005) (impact factor 1.812)

76. Diabetes mellitus: complications and therapeutics
Brajendra Kumar Tripathi and **Arvind Kumar Srivastava**;
Medical Science Monitor, 12(7), RA130-47 (2006) (impact factor 1.595)

77. Glutathione metabolism of Filarial worms: A vulnerable target for the design and synthesis of new antifilarial agents A
Sapna Gupta and **Arvind Kumar Srivastava**
Medical Science Monitor, 12(3), HY1-9 (2006) (impact factor 1.595)

78. Synthesis of novel benzofuran isoxazolines as protein tyrosine phosphatase 1B inhibitors
Ghufran Ahmad, P. K. Mishra, P. Gupta, P.P. Yadav, P. Tiwari, A. K. Tamrakar,
Arvind K Srivastava, R Maurya
Bioorg. Med. Chem. Letters, 16(8), 2139-2143 (2006) (impact factor 2.338)

79. Chalcone based Aryloxyprpoanolamines as Potential Antihyperglycaemic agents P. Shukla, Amar B. Singh, **Arvind K Srivastava**, Ram Pratap;
Bioorg. Med. Chem. Letters, 17, 799-802 (2007) (impact factor 2.338)

80. Antihyperglycemic and antidyslipidemic agent from Aegle marmelos.
T. Narender, S. Shweta, P. Tiwari, K. Papi Reddy, T. Khaliq, P. Prathipati, A. Puri, **A.K. Srivastava,** R. Chander, S.C. Agarwal and K. Raj.
Bioorg. Med. Chem. Letters, 17, 1808-1811 (2007) (impact factor 2.338)

81. Effect of Malaria infection on hepatic and splenic Glutathione-S-transferase(s) in Swiss albino and db/+ mice: Efficacy of Mefloquine and Menadione in antimalarial chemotherapy.
Rumana Ahmad and **Arvind K.Srivastava.**
Parasitology, 134, 931-938 (2007) (impact factor 1.786)

82. Synthesis and Biological Evaluation of potential modulators of malarial Glutathione-S-transferase
Rumana Ahmad, **Arvind K. Srivastava,** R.P.Tripathi, S. Batra and Rolf D. Walter.
J. Enzyme Inhibition Med. Chem., 22, 327-342 (2007) (impact factor 1.667)

83. Biochemical composition and pathways knowledge of Setaria cervi: In search **for new antifilarial agents.**
Rumana Ahmad and **Arvind K.Srivastava**
J. Helminthol., 81(3), 261-80 (2007) (impact factor 0.779)

84. Diastereoselective synthesis of glycosylated prolines as α-glucosidase inhibitors and organocatalyst in asymmetric aldol reaction.
Pandey Jyoti, Dwivedi Namrata, Singh Nimisha, **Srivastava AK,** Tamarkar AK and Tripathi RP .
Bioorg. Med. Chem. Letters., 17, 1321-1325 (2007) (impact factor 2.338)

85. Inhibition of Glutathione-S-transferase from Plasmodium yoelii by Protoporphyrin IX, Cibacron Blue and Menadione: Implications and therapeutic benefits.
Rumana Ahmad and **Arvind K. Srivastava**.
Parasitology Research, 102, 805-807 (2008) (impact factor 1.140)

86. Identification of pongamol and karanjin as lead compounds with antihyperglycemic activity from Pongamia pinnata fruits.

Tamrakar AK, Yadav PP, Tiwari P, Maurya R and **Srivastava AK**.
J. Ethnopharmacology, 118 (3), 435-439 (2008) (impact factor 1.600)

87. Antihyperglycaemic activity of Sinularia firma and Sinularia erecta in streptozotocin induced diabetic rats.
Tamrakar AK, Tiwari P, Ahmad R, Kumar R, Lakshmi V, Srivastava MN, and **Srivastava AK**.
Med. Chem. Res., (2008) (in press). (DOI: 10.1007/s00044-007-9037-4) (impact factor 0.286)

88. Omega-(2-Naphthyloxy) amino alkanes as a novel class of antihyperglycaemic and lipid lowering agents
Chaturvedi, D., Ray S., Srivastava, A.K. and Chander R.
Bioorg. Med. Chem., 15 (5) 2489-2498 (2008) (impact factor 3.108)

89. Hepatoprotective potential of Fumaria indica Pugsley whole plant extracts, fractions and an isolated alkaloid protopine
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Shashikant U. Dighe, Veena D. Yadav, Rohit Srivastava, Akanksha Mishra, S. Gautam, A. K. Srivastava, Vishal M. Balaramnavar, A. K. Saxena, S. Batra.

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Arvind Kumar Srivastava, Priti Tiwari, Swayam Prakash srivastava, Rohit srivastava, Akansha Mishra, Neha Rahuja, Sukanya Pandeti, Akhilesh Kumar Tamrakar, Tadigoppula Narendra, Mahendra Nath Srivastava, Vijai Lakshmi.

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Arvind Mishra, S. Gautam, S Pal, A. Mishra, A.K. Rawat, R. Maurya, A.K. Srivastava

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Arvind Mishra, S Gautam, S Pal, A. Mishra, AK Rawat, R Maurya, AK Srivastava

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S. Gautam, S. Pal, R. Maurya, A.K. Srivastava

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186. ***Nymphaea rubra*** ameliorates TNF-α-induced insulin resistance via suppression of c-Jun NH2-Terminal kinase and Nuclear Factor-κ B in the rat skeletal muscle cells.

S. Gautam, N. Rahuja, N. Ishrat, R.K. Asthana, D.K. Mishra, R. Maurya, S.K. Jain, A.K. Srivastava

Applied Biochemistry & Biotechnology (2014); DOI 10.1007/s 12010-014-1192-8, Impact Factor (1.68)

187. Reinvestigation into synthesis of allyl dithiocarbamates and the intra molecular cyclization: synthesis and antihyperglycemic activity of 2-thioxothiazolidine-4-alkanoates.

SU Dighe, VD Yadav, R Srivastava, A Mishra, S Gautam, AK Srivastava, VM Balaramnavar, AK Saxena, S Batra

Tetrahedron (2014) 70 (38): 6841-6850. Impact Factor (2.81)

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effect in vivo. https://doi.org/10.1016/j.ejphar.2015.10.055.Bioorganic & medicinal chemistry letters, 25(11), 2442–2446.

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II. Review articles

1. Biochemical targets in filarial worms for selective antifilarial drug design
S. Gupta and **A.K. Srivastava**
Acta Parasitologica, 50(1), 1-18 (2005) (impact factor 0.772)

2. Diabetes mellitus: complications and therapeutics
Brajendra Kumar Tripathi and Arvind Kumar Srivastava;
Medical Science Monitor, 12(7), RA130-47 (2006) (impact factor 1.595)

3. Glutathione metabolism of Filarial worms: A vulnerable target for the design and synthesis of new antifilarial agents
Sapna Gupta and **Arvind Kumar Srivastava**
Medical Science Monitor, 12(3), HY1-9 (2006) (impact factor 1.595)

4. Biochemical composition and pathways knowledge of Setaria cervi: In search for new antifilarial agents.
Rumana Ahmad and Arvind K.Srivastava
J. Helminthol. 81 (3):261-80 (2007) (impact factor 0.779)

5. Medicinal plants of India with antihyperlipidemic/antidyslipidaemic potential.
Santosh Kumar Maurya and **Arvind K.Srivastava**
In Pharm Communique 2 (2) 14-19 (2009)
6. An overview on Anti-AGEs therapy: Mini Review
Nayab Ishrat, Saheem Ahmad, Arvind Kumar Srivastava, Farina Mujeeb, Abbas Ali Mahdi **,**
Journal of Cardiovascular Disease Research
ISSN: 0975-3583, 0976-2833.12 (4) (2021).

III. Chapters in Books

1. Effect of glucofuranose ring in the asymmetric induction to the appended side chains; R.P. Tripathi, A.K. Srivastava, Sapna Bhatnagar, A.R. Khan, V. Singh and A.P. Bhaduri, In: "Trends in Carbohydrate Chemistry" Editor Soni, P.L.Surya International Publications, Dehradoon pp. 13-16 (1995)

2. Synthesis and Antifilarial Evaluation of a few carbohydrate derivatives; R.P. Tripathi, A.R. Khan, A.P. Bhaduri, Sapna Bhatnagar and A.K. Srivastava, In: "Trends in Carbohydrate Chemistry" Editor Soni, P.L. Surya International Publications, Dehradoon pp. 1-4 (1995)

3. Setaria cervi (Nematoda: Filarioidea): Absence of V-glutamyl cyclotrnsferase activity; S.Gupta and A.K.Srivastava, In "Current Trends in Parasitology" Editors Veena Tandon. Arun K.Yadav and Bishnupada Roy. Panima Publishing Corporation, New Delhi. pp 211-218 (2009)

IV A. List of Patents Filed/Granted in India

1. Patent Application no. 2711/DEL/1998 Filing Date

Patent no. Grant Date

Title: A process of for the preparation of 3-[2-(1-morpholin-4-yl) ethyl] amino-1-aryl-hex-2-ene-1-ones-6-hydroxy and 2-[1-(2-morpholin-4-yl) ethyl pyrrolidine-2-yl)-1aryl-1-oxo- ethylidenes Hypolipidemic, cardio protective, antioxidant, wound healing, hepatoprotective, hypoglycaemic and antimalarial drug resistance reversal agents.

Inventors: Seema Srivastava, Sanjay Batra, A.P Bhaduri, Kavita Singh, A.K. Khanna, Ramesh Chander, Nidhi Srivastava, Arti Shukla, Deepak Raina, Savita Srivastava, Ravi Rastogi, **Arvind K. Srivastava**, G.K. Jain, M.P. Dubey, Pratima Srivastava and V.C.Pandey.

2. Patent Application no. 2714/DEL/1998 Filing Date

Patent no. Grant Date

Title: A process for the preparation of 1-aryl-3-amino alkyl (N,N-disubstituted) amino hex-2-ene-1-one-6-hydroxy as hypolipidaemic, cardioprotective, antioxidant, wound healing, hepatoprotective, hypoglycaemic, antimalarial drug resistance reversal and pregnancy interceptive agent

Inventors: Seema Srivastava, Sanjay Batra, A.P Bhaduri, Kavita Singh, A.K. Khanna, Ramesh Chander, Nidhi Srivastava, Arti Shukla, Deepak Raina, Savita Srivastava, Ravi Rastogi, **Arvind K. Srivastava**, G.K. Jain, M.P.Dubey, Pratima Srivastava, V.C.Pandey and P.K. Mehrotra.

3. Patent Application no 2715/DEL/1998 Filing Date

Patent no. Grant Date

Title: A process for the preparation of 1-aryl-3-amino or amino alkyl (N,N-di-substituted) amino hex-2-ene-1-one-6-hydroxy as hypolipidaemic, cardioprotective, antioxidant, wound healing, hepatoprotective, hypoglycaemic, antimalarial drug resistance reversal and pregnancy interceptive agent

Inventors: Seema Srivastava, Sanjay Batra, A.P Bhaduri, Kavita Singh, A.K. Khanna, Ramesh Chander, Nidhi Srivastava, Arti Shukla, Deepak Raina, Savita Srivastava, Ravi Rastogi, **Arvind K. Srivastava**, G.K. Jain, M.P.Dubey, Pratima Srivastava, V.C.Pandey and P.K. Mehrotra.

4. Patent Application no. 67/DEL/1999 **Filing Date**

Patent no. **Grant Date**

Title: Hypoglycaemic effect of 3β-hydroxypregna-5, 16-dienane

Inventors: R.Pratap, R.C.Gupta, R.Chander, A.K.Khanna, **A. K. Srivastava**, Deepak Raina, A.K.Rastogi, A.Ghatak, O.P.Asthana, S.Nityanand and N.Anand

5. Patent Application no. 528/DEL/2006 **Filing Date 28/02/2006**

Patent no. **Grant Date**

Title: Isolation and synthesis of novel furano and pyranoflavonoids as antidiabetic agents

Inventors: R. Maurya, A. Goel, T. Narender, A.K. Srivastava, A..K. Rastogi, S.C. Agarwal, S. M. Rajendran, C. Nath, R. Raghubir, P.P.Yadav, Shweta, M. Dixit, P. Tiwari, B.K. Tripathi.

6. Patent Application no 1803/DEL/2006 **Filing Date 09/08/2006**

Patent no. **Grant Date**

Title: Antidiabetic and antidyslipidemic activities of S-(+)-7-[3 N-substituted amino-2-hydroxypropoxyl] flavones.

Inventors: Ram Pratap, Himanshu Singh, Alok Kumar Verma, Amar Bahadur Singh, Priti Tiwari, Mukesh Srivastava, Arvind Kumar Srivastava, Anil Kumar Dwivedi, Satyawan Singh, Pratima Srivastava, Shio Kumar Singh, Chandiswar Nath and Ram Raghubir

Supporting Staff: Krishna Kumar Chaudhary and Suresh Yadav.

7. Patent Application no. 458/DEL/2009 **Filing Date 09.03.2009**

Patent no. **Grant Date**

Title: Novel substituted spiro [indoline-heterocycle]-carboxylic acid derivatives as antidiabetic and metabolic disorder treating agents

Inventors: Atul Kumar, Ram Awatar Maurya, Arvind Kumar Srivastava, Amar Bahadur Singh and Akhilesh Kumar Tamrakar.

Supporting Staff: Tahseen Akhtar Ansari.

8. Patent Application no. 1364/DEL/2003 Filing Date 06.11.2003

Patent no 234487 Grant Date 01/06/2009

Title: alpha-substituted naphthyloxy-w-substituted alkyl/aryl amino-substituted alkane derivatives as agent for the treatment of prophylaxis of diabetes and related metabolic disorders

Inventors: Dev Dutt Chaturvedi, Atul Kumar, Reema Rastogi, Arvind K.Srivastava, Rehan Ahmad, Ramesh Chander, Anju Puri, Geetika Bhatia, Farhan Rizvi, Anil K. Rastogi, Suprabhat Ray

9. Patent Application no Filing Date

Patent no. 247797 Grant Date 20/05/2011

Title: Oxy-substituted flavones as antihyperglycaemic and antidyslipidemic agents**Inventors**: Ram Pratap, Satyanarayana Mavurapu, Chandeshwar Nath, Ram Raghubir, Anju Puri, Ramesh Chander, Priti Tiwari, Brajendra Kumar Tripathi and Arvind Kumar Srivastava

10. Patent Application no. DSTM/PAT/14/2011 Filing Date 03/11/2011

Title: Novel substituted 2H-Benzo(e)indazole-9-carboxylates for the treatment of diabetes and related metabolic disorders

Inventors: Atul Goel, Tanjea, G., Rahuja, N., Rawat, A.K.,Jaiswal, N., Tamrkar, A.K., Srivastava, A.K**.**

IV B. Patents Filed/Granted in United States of America (US)

1. **US Patent no. 7959954 Grant Date 14.06.2011**

Title: A process for the isolation of an antidiabetic and antihyperlipidemic fraction from

the fruits of Xylocarpus granatum, a mangrove plant.

Inventors: Vijay Laxmi, Ajit Saxena, Rajesh Kumar, Raghavendra pal, Satyawan Singh, Arvind Kumar Srivastava, Preeti Tiwari, Deepak Raina, Anil Kumar Rastogi, Sudhir Srivastava, Mahendra Nath Srivastava, Ramesh Chandra, Anju Puri, Ram Raghubir, Poonam Gupta, Thadigoppula Narender, and Brijendra K. Tripathi.

Supporting Staff: Naveen Prakash Mishra, Hriday Ram Mishra, Mukesh Srivastava, Suresh Chandra, Ganesh Shankar Sonkar, Subhash Chandar Tripathi, Raja Krishna Purshottam, Ganga Ram Bhatt, Radhey Krishna, Madhuri Chaudhari, J.P. Chaturvedi, Teeka Ram, R. R. Gupta and Suresh Yadav.

2. US Patent Application no. 10/693098 Filing Date 27.10.2003

US Patent no. 7081465 Grant Date 25.07.2006

Title: α-substituted naphthyloxy-ω-substituted alkyl/aryl amino substituted alkane derivatives as agent for the treatment or prophylaxis of diabetes and related metabolic disorders.

Inventors: Dev Dutt Chaturvedi, Atul Kumar, Reema Rastogi, **Arvind K. Srivastava**, Priti Tiwari, Rehan Ahmad, Ramesh Chander, Anju Puri, Geetika Bhatia, Ferhan Rizvi, Anil Kumar Rastogi and Suprabhat Ray

Supporting Staff: Vasi Ahmad, Ashok Kumar Khanna and Suresh Yadav

3. US Patent Application no. 10806065 Filing Date 22.03.2004

US Patent no. 7160866 Grant Date 09.01.2007

Title: Isolation of Tigogenin pentaglycoside from ***Chlorophytum nimoni*.**

Inventors: Vijay Lakshmi, Kartikay Pandey, Raja Roy, Bhawani Shanker Joshi, Kunnath Padmanabhan Madhusudan, Ramesh Chandra, **Arvind Kumar Srivastava**, Deepak Raina, Anil Kumar Rastogi

4. US Patent Appl. No.: 12/376909 Filing Date: 09/02/2009

Title: Antidiabetic and antidyslipidemic activities of S-(+)-7-[3N- substituted amino- 2-hydroxypropoxy] flavones.

Inventors: Ram Pratap, Himanshu Singh, Alok Kumar Verma, Amar Bahadur Singh, Priti Tiwari, Mukesh Srivastava & Arvind Kumar Srivastava.

Supporting Staff: Krishna Kumar Chaudhari and Suresh Yadav.

5. US Patent no. 7635779 Grant Date 22.12.2009

Title: Oxy substituted flavones as antihyperglycaemic and antidyslipidemic agents,

Inventors: Ram Pratap, Mavurapa Satyanarayan, Chandeswar Nath, Ram Raghubir, Anju Puri, Ramesh Chander, Priti Tiwari, Brajendra Kumar Tripathi and Arvind K. Srivastava Supporting Staff: Ashok Kumar Khanna

6. US Patent no. 7807712 Grant Date 05.08.2010

Title: Oxy substituted chalcones as antihyperglycaemic and antidyslipidemic agents.

Inventors: Ram Pratap, Satyanarayana Mavurapu, Chandishwar Nath, Ram Raghubir, Anju Puri, Ramesh Chander, Priti Tiwari, Brajendra Kumar Tripathi and Arvind K.Srivastava

IV C. PCT Patents Filed

1. PCT Patent Appl. No.: PCT/IN07/00326 Filing Date: 2/8/2007

Title: Antidiabetic and antidyslipidemic activities of S-(+)-7- [3 N- substituted amino- 2-hydroxypropoxy] flavones

Inventors: Ram Pratap, Himanshu Singh, Alok Kumar Verma, Amar Bahadur Singh, Priti Tiwari, Mukesh Srivastava & Arvind Kumar Srivastava

Supporting Staff: Krishna Kumar, Chaudhari & Suresh Yadav

2. PCT Patent Application No. DSTM/PAT14/2011 dated 03-11-11

Title: Novel substituted 2H-Benzo[e]indazole-9-corboxylates for the treatment of diabetes and related metabolic disorder.

Inventors: Atul Goel, Taneja G, Rahuja N. Rawat A. K., Jaiswal N, Tamarkar A. K., Srivastava

IV D. Patents Filed in Europe

1. European Patent Appl. No. 05718507.6 Filing Date: 14/5/2007

Title: Oxy substituted flavones/chalcones as antihyperglycemic and antidyslipidemic agents **Inventors:** Ram Pratap, Mavurapu Satyanarayana, Chandeshwar Nath, Ram Raghubir, Anju Puri, Ramesh Chander, Priti Tiwari, Brajendra Kumar Tripathi, and Arvind K. Srivastava

2. European Patent no. 99302556.8-2112. Filing Date

Title: Hypolipidemic and Hypoglycaemic Pregnadienones.

Inventors: Ram Pratap, Ram Chandra Gupta, Late Narinder Kumar Kapoor, Ramesh Chander, Ashok Kumar Khanna, **Arvind K. Srivastava**, Deepak Raina, Savita Srivastava, Anil Kumar Rastogi, Ashim Ghatak, Omkar Prasad Asthana, Swami Nityanand, Sukh Dev and Nitya Anand.

3. European Patent no. 99302556.8-2112 Filing Date

Title: Medicaments for Hypolipidemic and hypoglycaemic conditions.

Inventors: Ram Pratap, Ram Chandra Gupta, Ramesh Chander, Ashok Kumar Khanna,**Arvind K. Srivastava**, Deepak Raina, Satyavan Singh, Savita Srivastava, Anil Kumar Rastogi, Omkar Prasad Asthana, Swarna Nityanand, Nitya Anand, Ashim Ghatak, Narinder Kumar Kapoor and Sukh Dev.

4. European Patent Appl. No.: 7805638.9 Filing Date: 09/03/2009

Title: Antidiabetic and antidyslipidemic activities of S-(+)-7-[3N- substituted amino-2-hydroxypropoxy] flavones.

Inventors: Ram Pratap, Himanshu Singh, Alok Kumar Verma, Amar Bahadur Singh, Priti Tiwari, Mukesh Srivastava & Arvind Kumar Srivastava.

Supporting Staff: Krishna Kumar Chaudhari & Suresh

5. European Patent Appl. No. 680883.1 Filing Date: 10/04/2008

Title: A process for the isolation of an antidiabetic and anty hyperlipidimic fraction fro the Fruits of Xylocarpus granatum, a mangrove plant.

Inventors: Vijay Laxmi, Ajit Saxena, Rajesh Kumar, Raghavendra Pal, Satyawan Singh, Arvind Kumar Srivastava, Preeti Tiwari, Deepak Raina, Anil Kumar Rastogi, Sudhir Srivastava, Mahendra Nath Srivastava, Ramesh Chandra, Anju Puri, Ram Raghubir, Poonam Gupta, Thadigoppula Narender, & Brijendra K. Tripathi.

Supporting Staff: Naveen Prakash Mishra, Hriday RamMishra, Mukesh Srivastava, Suresh Chandra, Ganesh Shankar Sonkar, Subhash Chandar Tripathi, Raja Krishna purshottam, Ganga Ram Bhatt, Radhey Krishna, Madhuri Chaudhari, J.P. Chaturvedi, Teeka Ram, R. R.Gupta & Suresh Yadav

6. European Patent Application no. 01300257.1 Filing Date 12.01.2001

European Patent no. 1224938 Grant Date 14.12.2005

Title: Novel uses of gugulipid: as cognition enhancer, antihyperglycemic and for dermal conditions

Inventors: Ram Pratap, Raghvendra Pal., Satyawan Singh, Girja Shankar, Kapil Kapoor, Chandishwar Nath, Hemant Kumar Singh, Deepak Raina, Arvind Kumar Srivastava, Anil Kumar Rastogi, P.S.R. Murthy, Sudhir Srivastava, Omkar Prasad Asthana, Narendra Singh, and Nitya Nand

7. European Patent Application no. 03818933.8-2103 Filing Date 31.05.2006

Title: α-substituted naphthyloxy-ω-substituted alkyl/aryl amino substituted alkane derivatives as agent for the treatment or prophylaxis of diabetes and related metabolic disorders.

Inventors: Dev Dutt Chaturvedi, Atul Kumar, Reema Rastogi, **Arvind K. Srivastava**, Priti Tiwari, Rehan Ahmad, Ramesh Chander, Anju Puri, Geetika Bhatia, Ferhan Rizvi, Anil Kumar Rastogi and Suprabhat Ray

Supporting Staff: Vasi Ahmad, Ashok Kumar Khanna and Suresh Yadav

IV E. Patents Filed in other countries

1. Japanese Patent Appl. No.: 0356NF2004/JP Filing Date: 13/04/2007

Title: Oxy substituted flavones/chalcones as antihyperglycemic and antidyslipidemic agents

Inventors: Ram Pratap, Mavurapu Satyanarayana, Chandeshwar Nath, Ram Raghubir, Anju Puri, Ramesh Chander, Priti Tiwari Brajendra Kumar Tripathi And Arvind K.Srivastava

2. Canadian Patent Appl. No.: 0356NF2004/CA Filing Date: 12/04/2007

Title: Oxy substituted flavones/chalcones as antihyperglycemic and antidyslipidemic

Inventors: Ram Pratap, Mavurapu Satyanarayana,Chandeshwar Nath, Ram Raghubir, Anju Puri, Ramesh Chander, Priti Tiwari Brajendra Kumar Tripathi and Arvind K. Srivastava

3. Russian Patent Appl. No.: 2008114302 Filling Date: 11/04/2008

Title: A process for the isolation of an antidiabetic and anty hyperlipidimic fraction from the fruits of Xylocarpus granatum, a mangrove plant.

Inventors: Vijay Laxmi, Ajit Saxena, Rajesh Kumar, Raghavendra Pal, Satyawan Singh, Arvind Kumar Srivastava, Preeti Tiwari, Deepak Raina, Anil Kumar Rastogi, Sudhir Srivastava, Mahendra Nath Srivastava, Ramesh Chandra, Anju Puri, Ram Raghubir, Poonam Gupta, Thadigoppula Narender, and Brijendra K. Tripathi.

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4. Indonesian Patent Appl. No. W00200800804 Filing Date: 12/03/2008

Title: A process for the isolation of an antidiabetic and antihyperlipidimic fraction from the fruits of Xylocarpus granatum, a mangrove plant.

Inventors: Vijay Laxmi, Ajit Saxena, Rajesh Kumar, Raghavendra Pal, Satyawan Singh, Arvind Kumar Srivastava, Preeti Tiwari, Deepak Raina, Anil Kumar Rastogi, Sudhir Srivastava, Mahendra

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5. Chinese Patent Appl. No. 200680041586 X **Filing Date: 06.06.2008**

Title: A process for the isolation of an antidiabetic and antihyperlipidimic fraction from the fruits of Xylocarpus granatum, a mangrove plant.

Inventors: Vijay Laxmi, Ajit Saxena, Rajesh Kumar, Raghavendra Pal, Satyawan Singh, Arvind Kumar Srivastava, Preeti Tiwari, Deepak Raina, Anil Kumar Rastogi, Sudhir Srivastava, Mahendra Nath Srivastava, Ramesh Chandra, Anju Puri, Ram raghubir, Poonam Gupta, Thadigoppula Narender, & Brijendra K. Tripathi.

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6. Sri Lankan Pat. No.: 14128 **Grant Date: 30/04/2009**

Patent Appl. No 14128 **Filing Date: 20/06/2006**

Title: Process for isolation of saponin disogenin pentaglycoside.

Inventors: Vijay Lakshmi, Kartikay Pandey, Raja Roy, Bhawani Shanker Joshi, Kunn Padmanabhan Madhusudanan, Ramesh Chandra, Arvind Kumar Srivastava,Deepak Raina and Anil Kumar Rastogi.

Supporting Staff: Ashok Kumar Khanna

7. Georgian Patent no. 1020191 **Grant Date 24.12.2008**

Title: A method for treating hypolipidemic and hypoglycemic conditions in mammals using pregnadienols and pregnadienones.

Inventors: Ram Pratap, R.C. Gupta, Ramesh Chander, Ashok Kumar Khanna, **Arvind K. Srivastava**, Deepak Raina, Satyavan Singh, Savita Srivastava, Anil Kumar Rastogi, O. P. Asthana, Swarn Nityanand, Nitya Anand, Ashim Ghatak, N. K. Kapoor and Sukh Dev.

8. Chinese Patent Application no. ZL200380110723.7 **Grant Date 31.12.2008**

Title: α-substituted naphthyloxy-ω-substituted alkyl/aryl amino substituted alkane derivatives as agent for the treatment or prophylaxis of diabetes and related metabolic disorders.

Inventors: Dev Dutt Chaturvedi, Atul Kumar, Reema Rastogi, **Arvind K. Srivastava**, Priti Tiwari, Rehan Ahmad, Ramesh Chander, Anju Puri, Geetika Bhatia, Ferhan Rizvi, Anil Kumar Rastogi and Suprabhat Ray

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1. Som Nath Singh

'Studies on certain aspects of physiology of filarial parasites, host-parasite interactions and chemotherapy of experimental filariasis"

University of Kanpur, Kanpur (1992)

2. Savita Srivastava

"Effect of some hepatoprotective plants on liver regeneration in rats"

Dr RML University (Awadh University), Faizabad, (1996)

3. Deepak Raina

"Search for antidiabetic activity in few marine and terrestrial flora using animal models"

University of Lucknow, Lucknow (2001)

4. Rehan Ahmad

"Studies on insulin resistant reversal mechanism and insulin resistance reversal activity of natural products in experimental non insulin dependent diabetes mellitus"

Aligarh Muslim University, Aligarh (2004)

5. Brajendra Kumar Tripathi

"Molecular and biochemical studies on insulin sensitivity and insulin resistance in alcoholism"

Jawahar Lal Nehru University, New Delhi (2005)

6. Sapna Gupta

"An investigation of glutathione metabolism and potential modifiers of glutathione metabolism in adult filariae"

Aligarh Muslim University, Aligarh (2005)

7. Rumana Ahmad

"Moecular Biology and biochemical studies on glutathione reductase (s) from malarial parasites and filarial worms"

University of Lucknow, Lucknow (2006)

8. Priti Tiwari

"Exploration of biochemical and molecular mechanisms of action of antidiabetic action of novel natural products"

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9. Kavita Arora

"Glutamate cysteine ligase and glutathione reductase in filarial worms and malaria parasites in relation to their chemotherapy"

Jawahal Lal Nehru University, New Delhi (2005)

10. Maya Dutt Joshi

"Target sites of novel antidiabetic agents for the treatment of type 2 diabetes mellitus"

Jawahar Lal Nehru University, New Delhi (2009)

11. Amar Bahadur Singh

"Biochemical and molecular targets of novel antidiabetic agents"

Jawahar Lal Nehru University, New Delhi (2010)

12. Santosh Kumar Maurya

"Antidyslipidemic activity of Curcuma longa and Glycerrhiza glabra"

Jawahal Lal Nehru University, New Delhi (2010)

13. Swayam Prakash Srivastava

"Biochemical, molecular and physiological basis of action of antidiabetic fractions of selected terrestrial plants"

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16. Neha Rahuja

"Biochemical and molecular mechanism(s) of action of potent antidiabetic agents"

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17. Rohit Srivastava

"Systematic evaluation and mechanistic studies on selected antidiabetic plants"

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18. Arun K.Rawat

"Effect of selected antidiabetic agents on mitochondrial functions in experimental type 2 diabetes mellitus"

Jawahar Lal Nehru University, New Delhi, (2014)

19. Arvind Mishra

"Late stage complications in streptozotocin induced diabetes mellitus in rats and mice and their prevention by nature identicals"

Jawahar Lal Nehru University, New Delhi (2015)

20. Savita Pal

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"Identification of molecular mechanism(s) for antihyperglycemic and antidyslipidemic effects of selected synthetic and natural compounds"

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30. Ms Mahjabeen Fatima

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