


<b>Title</b>	<b>Prof.</b>	<b>Name</b>	<b>Hemant Singh Rathore</b>	<b>Photograph</b>
<b>Department</b>	School of Studies in Zoology & Biotechnology, Vikram University, Ujjain			
<b>Designation</b>	Professor			
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<b>Educational Qualifications</b>				
<b>Degree</b>	<b>Institution</b>	<b>Year</b>		
Ph.D.	Vikram University Ujjain MP	1980		
PG	Vikram University Ujjain MP	1975		
UG	Vikram University Ujjain MP	1973		
MPhil	.....,.....,.....	1976		
<b>Career Profile</b>				
<b>Administrative Assignment</b>				
<b>Acted as Director Sports, Co ordinator university exam 2011-12</b>				
<b>Area of Interest/ Specialization</b>				
Cytogenetics and Toxicology, protection with Herbal compounds				
<b>Subjects Taught</b>				
Cellular and Molecular Biology; cyto and molecular genetics, enzymes				
<b>Publication Profile</b>				
<b>Research Papers:</b>				
<b>(A). Journal Papers:</b>				
<b><u>International:</u></b>				
1977	Rathore, H.S., Bhaskar, C.R. and Swarup, H.:	The effects of oocyte supernate upon genome activity in <i>Chironomus</i> sps. <i>Bioresearch</i> , I (1&2) : 1-4.		
1978d	Rathore, H.S.:	Preliminary observations on the mosquito repellent efficacy of the leaf extract of <i>Ocimum sanctum</i> , <i>Pak. J. Zool.</i> , 10 (2) : 303.		
1978e	Rathore, H.S.:	On the learning behaviour of <i>Ropalidia marginata</i> . (Hymenoptera) - A short note. <i>Bioresearch</i> . 2(1&2) : 111-112.		
1979a	Rathore, H.S., Sanghvi, P.K. and Swarup, H.:	Toxicity of cadmium chloride and		

- lead nitrate to *Chironomus tentans* larvae. *Environ. Poll. London*, 18(3) : 173-177.
- 1979c Rathore, H.S. and Gharia, A.K.: Role of soil lead (Pb<sup>2+</sup>) in seed germination and seedling growth *Sci. Res. News.*, 1(9-12) : 131-132.
- 1979d Rathore, H.S. and Rao, S.R.V.: A note on the feeding ecology of *Chironomus* (Diptera) larvae in a river Kshipra, India. *Bangladesh Jour. of Zool.*, 7(1) : 73-74.
- 1980a Rathore, H.S. and Swarup, H.: Effects of cupric (Cu<sup>2+</sup>), Ferric (Fe<sup>3+</sup>) and magnesium (Mg<sup>2+</sup>) ions on puffing in *Chironomus*. *Bangladesh J. Zool.*, 8(1) : 15-20.
- 1980b Rathore, H.S. and Swarup, H.: Toxicity of thyroxine to *Chironomus* sp. and *Culex fatigans* larvae. *Pak. Jour. of Zool.*, 12(1), 150-151.
- 1980c Rathore, Hemant Singh and Swarup, Har: Studies on the effects of neomycin on puffing in *Chironomus*. *Acta Histochem.*, 67 : 86-94.
- 1981d Rathore, H.S. and Swarup, H.: Induced puffing patterns of salivary chromosome IV in *Chironomus* by oocyte supernate fraction of *H. fossilis*. *Biologia (Lahore)*, 27(1) : 57-59.
- 1982a Rathore, H.S. and Swarup, H.: Cytogenetic investigations on *Chironomus* larvae treated with Cadmium chloride. *Int. J. Environ. Studies. London* 19(3-4) : 209-214.
- 1982b Rathore, H.S. and Swarup, H.: Toxicity of lead nitrate to *Chironomus* sp. larvae: A cytogenetic investigation. *Pak. J. Zool.*, 14(1) : 118-121.
- 1982c Rathore, H.S. and Swarup, H.: Influence of aspirin on gene activity in salivary chromosomes in *Chironomus* larvae. *Pak. J. Zool.*, 14(1) : 108-112.
- 1982d Rathore, H.S. and Swarup, H.: Preliminary observations on the influence of thyroxine on puffing in *Chironomus*. *Pak. J. Zool.*, 14(2) : 243-248. 1985  
Rathore, H.S., Gopalan, H.N.B. and Swarup, H.: Salivary gland chromosomes of *Chironomus* sp. *Biologia (Lahore)*. 31(1) : 13-19.
- 1986a Rathore, H.S.: Polytene chromosomes in *Chironomus* larvae as protocol for the screening of environmental mutagens: Results and possibilities. *Pollution Res.*, 5(2) : 45-46.
- 1986c Rathore, H.S.: Protection of mouse testes epididymis and adrenal glands with speman against cadmium toxicity. *The Medicine and Surgery*, 26(2-3) : 33-35.
- 1986e Rathore, H.S. and Kothari, S.K.: Adaptive respiratory behaviour of catfish exposed to CdCl<sub>2</sub> under experimental conditions, *Poll. Res.*, 5(3&4) : 129-132.
- 1987a Rathore, H.S. and Verma Rita: Histology of Cadmium intoxicated mice liver following speman therapy. *Probe*, 26(2) : 115-117.
- 1990 Kothari, S.K., Reddy, Bhaskar and Rathore, H.S.: Protective role of Liv-52 against histological damage due to CdCl<sub>2</sub> toxicity in the intestine of a teleost fish. *Probe*, 29(3) : 220-228.
- 1991 Rathore, H.S.: Preliminary studies on the effect of zinc pretreatment on Cd-induced histological and biochemical alteration in fish liver. *Pak. J. Zool.*, 23(1) : 93-94.
- 1991 Rathore, H.S. and Dwivedi, Saroj: Effect of sodium diethyldithio-carbamate on barbel regeneration in *Heteropneustes fossilis*. *Biologia (Lahore)* 37(1) : 59-61.
- 1994d Rathore, H.S. and Naik, B.K.: Protection of fish liver with Liv-52 against Cd-intoxication. *Biologia (Lahore)*. 40(1&2) : 1-4.
- 1995 Jadia Seema, Shouche, Shobha. Bhan, Ashima and Rathore, Hemant Singh: Haematological and cardiac effects of Hexachlorocyclohexane (HCH) in mice. *Thai. J. Toxicol. (Bangkok)*, 11 & 12 : 18-22.

- 1996 Bhan, Ashima and Rathore, H.S.: Prevention of hexachlorocyclohexane (HCH) induced changes in selected reproductive organs in mice with a herbal drug "Speman": Acute exposure. *Ind. J. Occupl. Hlt.*, 39(1) : 7-11.
- 1997 Rathore, H.S., Bhan, Ashima and Patel, Kumud G.: Restoration of mercuric chloride induced testicular dysfunction in mice with caladium complex. *Asian Homeop. J.*, 7(3) : 8-14.
- 1997 Bhan, Ashima, Rathore, H.S. and Patel, Kumud G.: Prevention of toxic effects of mercuric chloride in mice epididymis with a herbal drug 'Speman'. *Thai. J. Toxicol.*, 13 : 10-17.
- 1997 Rathore, H.S., Bhan, Ashima and Patel, K.G.: Prevention of toxic effects of mercuric chloride in mice epididymis with a homoeopathic drug Caladium complex. *J. Adv. Zool.*, 18(2) : 72-76.
- 1998 Shouche, Shobha and Rathore, H.S.: Cardiac toxicity of technical Hexachlorocyclohexane (HCH) in mice. *J. Adv. Zool.* 19(2) : 69-73.
- 1998 Siddiqui, Seema and Rathore, H.S.: Protection of mice liver with a homoeopathic drug against mercuric chloride toxicity - Results and Possibilities. *Asian Homeop. J.*, 7(4) : 60-66.
- 2000 Rathore, H.S.: Prevention of toxic effects of mercuric chloride on some male accessory organs in mice with a multitherbal drug "Speman". *Ancient Sci. Life*, 20(1-2) : 6-10.
- 2002 Rathore, H.S.: Prevention of toxic effects of mercuric chloride on some male accessory organs in mice with a homoeopathic drug. *Thai. J. Toxicol.* 17(18) : 54-60.
- 2005 Rathore, H.S. and Pooja Choubey: Prevention of acetaminophen induced mitodepression with myrobalan (fruit of *Terminalia chebula* Retz. Combretaceae) in *Allium cepa* model. *Iranian J. Pharmacology & Therapeutics*, 4 : 100-104.
- 2004 Rathore, H.S., Soni, Sangeeta and Bhatnagar, D.: Hypocholesterolemic effect of *Terminalia chebula* fruit (Myrobalan) in mice. *Ancient Sci. Life*. 23(4): 11-15.
- 2006 Rathore, H.S., Khare, Amit, Sharma, Anjali, Shrivastava, Sharad and Bhatnagar, D.: A study on the cytological effects of myrobalan (fruit of *Terminalia chebula*) in *Allium test*. *Ethnobotanical Leaflets, USA* 10:92-92 (<http://www.siu.edu/~elb>).
- 2006 Rathore, H.S., Shazia, B., Anjali Sharma and Mukesh Makwana: Prevention of Aluminium Chloride-induced mitodepression with myrobalan (Fruit of *Terminalia chebula*, Retz., Combretaceae) in *Allium cepa* model. *Ethnobotanical Leaflets, USA* 10:272-279 (<http://www.siu.edu/~elb>).
- 2006 Rathore, H.S., Ranjana Punyasi, Pooja Joshi, Deepika Rathore and D. Bhatnagar: Studies on the reversal of lead induced mitostatic effect in *Allium cepa* root tip cells with myrobalan (fruit of *Terminalia chebula* Retz. Combretaceae) *Internet J. Alternative Medicine* 4(1)DOI:10:5580/Ide8 (USA).
- 2007 Prarthna Jaffrey and Rathore, H.S.: Antigenotoxic potential of *Terminalia chebula* fruit (myrobalan) against cadmium in *Allium test*. *Internet J. Toxicol. USA*. 4(1) DOI:5580/I2e6
- 2007 Solanke, Pallavi, Mahendra Singh, Hemant Singh Rathore, Anjali Sharma Mukesh Makwana and Sharad Shrivastava: An evaluation of the genotoxic effects of seeds decoction of *Cassia tora* Linn (Leguminosae) in *Allium cepa* model. *Ethnobotanical Leaflets, USA* 11:217-233 (<http://www.siu.edu/~elb>)

- 2008 Sharma, Anjali, Makwana, Mukesh, Rathore, H.S. Can Herbal-Paracetamol Combination Drug Prevents both Liver and Kidney Disease?- Results and Possibilities. *Ethanobotanical Leaflets, USA*, 12: 286-298.
- 2009 Mahendra Singh, Pallavi Solanke, Hemant Singh Rathore, Anjali Sharma, Mukesh Makwana and Sharad Shrivastava. Influence of *Cassia tora* seed decoction on the genotoxicity of sodium azide and acetaminophen in *Allium cepa* model. *The Internet J Toxicology* 6 (1). 6(1) DOI:10.5580/2809
- 2010 Hemant Singh Rathore, Manisha Rathore, Suneeta Panchal, Mukesh Makwana, Anjali Sharma and Sharad Shrivastava. Can genotoxic effect be Model defectant on *Allium cepa* ? An evidence. *Env. Asia* 3(2):29-33
- 2010 Mukesh Makwana, Hemant Singh Rathore: Prevention of acetaminophen induced hepatorenal toxicity in mice with *Asparagus racemosus* root. *Biochem. Cell. Arch* 10(2):225:230
- 2011 Mukesh Makwana and Hemant Singh Rathore. Prevention of hepatorenal toxicity of Acetaminophen with *Ocimum sanctum* in mice. *Int J Phamacol & Tech* 3(1):1387-96.
- 2010 Anjali Sharma, Hemant Singh Rathore. Prevention of acetaminophen induced hepatorenal toxicity in mice with fruits of *Terminalia chubula* (myrobalans) *Tha. J. Toxicol* 25(2:144:155)
- 2011 Anjali Sharma, Hemant Singh Rathore. Prevention of acetaminophen induced hepatorenal damage in mice with rhizomes of *G. glabra*. A histophysiological study. *Ancient Sci. Life* 30(3):72-77.
- 2011 Mukesh Makwana and H.S. Rathore :Prevention of acetaminophen induced hepatorenal toxicity with Triphala in mice-A histophysiological study. *Biomed* 6(1):30-40.
2012. Savita Marmat and H.S. Rathore: Cytological effects of trifla in *Allium cepa* model. *Int. J. Pharm. and Techn.* 5(2): 5602-5609.
- Authors name(s), Title of the paper, name of the Journal, year, volume, issue, page numbers*

**Nationals:**

- 1977 Rathore, H.S., Bhaskar, C.R. and Swarup, H.: The effects of oocyte supernate upon genome activity in *Chironomus* sps. *Bioresarch*, I (1&2) : 1-4.
- 1978a Rathore, H.S. and Swarup, H.: Can aspirin (Acetylsalicylic acid) control mosquitoes? *Ind. J. Exp. Biol.*, 16(7) : 823.
- 1978b Rathore, H.S. and Swarup, H.: Anti whooping cough potentialities of the flesh of an Indian bird, *Acridothores tristis*. *Ind. J. Med. Sci.*, 32 (3-4) : 40.
- 1978c Rathore, H.S. and Swarup, H.: Rao Rama S.V. and Mall. L.P.: A note on the pollution ecology of *Chironomus tentans* (diptera) larvae in a river *Natl. Acad. Sci. Letters*, 1(6) : 235-236.
- 1979b Rathore, H.S. and Swarup, H.: Note on the neomycin induced unusual puffs in

*Chironomus* Sp. (Diptera) Salivary gland chromosome *Indian Drugs* 16(9) : 216-217.

- 1980d Rathore, H.S., Sanghvi, P.K. and Johri, G.N.: Cytotoxicity of excretory and secretory products *Nematospirodes dubius* (Heligmosomidae: Nematoda) on mitosis in *Allium* Test. *Ind. J. Med. Sci.*, 34(12) : 309.
- 1981a Rathore, H.S., Chauhan, R.A.S. and Shukla, R.M.: Interaction of ascorbic acid and cadmium chloride during seedling growth of *Glycine max.* *Ind. J. Exp. Biol.*, 19 : 289-290.
- 1981b Rathore, H.S., Gharia, A.K. and Swarup, H.: Effects of synthetic thyroxine on germination and seedling growth of *Triticum vulgare*, *Zea mays* and *Cicer arietinum*. *Ind. J. Exp. Biol.*, 19 : 291.
- 1981c Rathore, H.S. and Rao, S.V.R.: A note on the toxicity of rayon industrial effluents on fresh water snail. *Biol. Bull. of India*, 2(1) : 107-108.
- 1983a Rathore, H.S., Kapil Neeru, Saxena, R.C and Jain, S.M.: Pilot study on the effects of ascorbic acid on the respiratory behaviour of cadmium chloride treated fish *H. fossilis*. *Ind. J. Zool.*, 11(2) : 57-59.
- 1983b Rathore, H.S. and Swarup, H., Puff regression in *Drosophila* subjected to egg cytosol fraction. *Ind. Jour. Heredity*, 15(1-4) : 39-43.
- 1986b Rathore, H.S.: Central cartilage rod undergoes dedifferentiation during catfish barbel regeneration. *Ind. J. Zool.*, 14(1) : 43-47.
- 1986d Rathore, H.S.: Protection against ill effects of aspirin on chromosomes in *Allium* root tips by ascorbic acid or magnesium ions - Pilot study. *Ind. J. Med. Sci.*, 40(12) : 304-306.
- 1987b Rathore, H.S. and Verma Rita: Protection of mice liver with Liv-52 against cadmium intoxication. *Indian Drugs*, 25(1) : 11-18.
- 1987c Rathore, H.S.: Can Liv-52 protect mammalian kidney against toxic substances? Results and possibilities. *Indian Drugs*, 25(1) : 7-10.
- 1989 Rathore, H.S. and Rawat Hema: Liv-52 protection against Cadmium induced histomorphological changes in mice spleen, duodenum and small intestine. *Indian Drug*, 26(10) : 533-540.
- 1992 Rathore, H.S. and Nandi, K.K.: Further studies on the protective effect of Liv-52 against Cd-toxicity in mammalian system. *Indian Drugs*, 29(4) : 149-154.
- 1993 Rathore, H.S, Kumar, R., Padmaja, R., Sunita, M. and J. Varghese: Protection of some target organs in mice with a herbal drug against aldrin intoxication. *Indian Drugs*, 31(1) : 21-27.
- 1994a Rathore, H.S. and Varghese, J.: Effect of mercuric chloride on the survival, food intake, body weight, histological and haematological changes in mice and their presentation with Liv-52. *Ind. J. Occupl. Hlt.* 37(2) : 42-54.
- 1994b Khutwal, R.C. and Rathore, H.S.: Protection of mice liver with a herbal drug

- "Essenliale" against hexachlorocyclohexane (HCH) intoxication. *Ind. J. Occupl. Hlt.*, 37(3) : 74-81.
- 1994c Johnson V. and Rathore, H.S.: Prevention of mercuric chloride induced histopathological changes in the small intestine of mice with Liv-52, *Ind. J. Med. Sci.*, 48(11) : 253-255.
- 1995 Rathore, H.S. and Varghese Johnson: Effect of a multiherbal drug on the distribution and excretion of mercury in mice treated with mercuric chloride. *Indian Drugs*, 32(6) : 262-268.
- 1995 Shouche, Shobha and Rathore, H.S.: Early change in mice blood, serum enzymes, heart, lung and trachea following acute toxicity of hexachlorocyclohexane (HCH). *Ind. J. Occupl. Health.*, 38(3) : 64-73.
- 1996 Shinde, Deepak and Rathore, H.S.: Protection of male reproductive organs in mice with "Speman" against mercuric chloride intoxication. *Ind. J. Occupl. Hlt.*, 39(2) : 54-63.
- 1997 Varghese, J., Shrilakshmi, K. and Rathore, H.S.: Prevention of mercuric chloride induced cerebellar damage in mice with a multiherbal hepatic drug - Results and possibilities. *Ind. J. Occupl. Hlt.*, 40(1) : 1-7.
- 1997 Bhan, Ashima, Rathore, H.S. and Patel, Kumud, G.: Restoration of mercuric chloride induced changes in mice body weight, food and water-intake with two drugs. *Ind. J. Occupl. Hlt.*, 40(2) : 45-51.
- 1997 Shouche, Shobha and Rathore, H.S.: Technical hexachlorocyclohexane (HCH) induced histopathological changes in mice trachea and lung following acute, intermediate and chronic exposures. *Ind. J. Occupl. Hlt.*, 40(4) : 23-30.
- 1997 Shouche, Shobha and Rathore, H.S.: Haematological effects of Hexachlorocyclohexane (HCH) in mice - Results and possibilities. *Ind. J. Med. Sci.*, 51(4) : 120-122.
- 1997 Rathore, H.S., Bhan, A. and Patel, K.G.: Restoration of mercuric chloride induced testicular dysfunction in mice with a multiherbal drug "Speman" *Ind. J. Occupl. Hlt.*, 40(3) : 1-9.
- 1998 Rathore, H.S. and Siddiqui, Seema: Prevention of mercuric chloride induced - haematological effects in mice with a homoeopathic drug. *Indian Drugs*, 37(8) : 383-385.
- 1999 Tailor, Ranjana and Rathore, H.S.: Prevention of mercuric chloride induced renal effects in mice with a homoeopathic drug. *Ind. J. Occupl. Hlt.*, 43(2) : 65-69.
- 2001 Rathore, H.S., Kelwa, G.S., Mewada, P., Kumawat, D.M., Prasad, R. and Bhatnagar, D.: Influence of Myrobalan (fruit of *Terminalia chebula*) on lead-induced toxicity in mice. *Ind. J. Occupl. Hlt.*, 44(4) : 169-174.
- 2005 Rathore, H.S. and Mukesh, Makwana: Prevention of lead toxicity in *Allium cepa* root tip cells with myrobalan (fruit of *Terminalia chebula*). *Biochem. Cell. Arch.*, 5(2) : 169-176.

2007 Shukla Radhey, Upadhyay S, Rathore H.S.: Efficacy and economics of

insecticides against pod borer complex of Pigeon pea of *Cajanus cajan*  
*Indian J Appl Entomology* 21(2) 82-85  
 2008 Shukla Radhey, Upadhyay S, Rathore H.S. : Efficacy and economics of neem (*Azadirachta indica*) based products on incidence of podborer complex of pigeon pea (*Cajanus cajan*). *Ind J Agr Res* 78(6) 567-568.

2012 Sharma Anjali and H.S.Rathore : Prevention of acetaminophen induced hepato and nephrotoxicity in mice with rhizomes of *Curcuma longa*-A histophysiological study. In Chapter 8: Shall herbs combat hepatorenal toxicity of paracetamol? Lambert Academic Publishing Co. Germany. pp 181-220

2013. Qureshi Taj N and H. S. Rathore: Circadian phase relation of serotonin and dopamine influences reproductive conditions in domestic pigeon *Columba livia domestica*. Journal of Scientific Research.

**(B). Conference Papers:**

**International:**

*Authors name(s), Title of the paper, name of the conference, place, dates & year, page numbers*

**Nationals:**

*Authors name(s), Title of the paper, name of the conference, place, dates & year, page numbers*

**Books Published:**

**Nil**

*Mukesh makawana, Anjali Sharma, H.S.Rathore- Shall herbs combat hepatorenal toxicity of paracetamol, Lambert Academic Publishing ,2012*

**Research Guidance**

**Nil**

**Supervision of awarded Doctoral Thesis:**

S. No.	Name	Topic of Work	Registered/ Submitted/ Awarded
1.	Johnson Varghese	Protection of some target organs in mice with a herbal compound against inorganic Mercury intoxication - A Histological Study.	Awarded 1997
2.	Mrs. Shobha Shouche	HCH - induced haematological & histopathological changes in the mice heart, lung & trachea during acute, intermediate and chronic exposure.	Awarded 1998

3.	Ashima Bhan	Restoration of mercuric chloride induced histopathological changes in mice testes, epididymis and serum testosterone level with a herbal drug Speman.	Awarded 1999
4.	Mrs. Radhey Shukla	Studies on screening of new germplasm lines and relative efficacy of new generation insecticide and byproducts against pod-borer complex of Pigeon pea - A field study.	Awarded 2007
5.	Ms. Anjali Sharma	Liver & kidney Protection with Herbal Products	Awarded 2011
6.	Mr. Mukesh Makwana	Liver & kidney Protection with Herbal Products	Awarded 2011

**Supervision of Doctoral Thesis, under progress:**

- Savita Marmat , A study on the influence of a herbal mixture on acetaminophen toxicity in an avian model.

**Supervision of M.Phil dissertations:**

S. No.	Name of student	Title of Thesis	Year
1	Miss Versha Saraswat	Protection of mice testes, epididymis and adrenal glands with speman against Cadmium intoxication	1984-85
2	Miss Saroj Dwivedi	A study on the effect of Cadmium Chloride and Carbamate compound on catfish barbel regeneration	1984-85
3	Miss Rita Varma	Protection of mice liver with Liv-52 against Cadmium toxicity - A pilot study	1985-86
4	Mr. K.K. Nandi	Protection of rabbit blood, Kidney liver and spleen with Liv-52 against Cadmium intoxication - Histological & Biochemical study	1987-88
5	Miss Hema Rawat	Protection of mice duodenum, intestine and, spleen with Liv-52 against Cadmium intoxication	1987-88
6	Miss Veena Bhatt	Protection of fish liver with Zinc pretreatment against Cd-intoxication - A pilot study	1988-89
7	Mr Bijay Kumar Naik	Protection of fish liver with Liv-52 against Cd-intoxication - A histological study	1990
8	Mr. Rajendra	Protection of mice liver and Kidney with herbal	1992



	Kumar	drug against aldrin toxicity	
9	Ms R Padmaja	Protection of mice tests, epididymis, adrenal gland and blood with a herbal drug against aldrin toxicity	1992
10	Mr. Deepak Shinde TRF-UGC	Protection of male reproductive organs in mice with a herbal drug against inorganic mercury intoxication	1993
11	Mr. R.C. Khutwal TRF-UGC	Protection of mice liver against BHC Intoxication with Essentiale (lipotropic drug)	1993
12	Mrs. Shobha Shouche	Early changes in mice heart, lung, blood & serum enzymes following acute i.p. administration of HCH	1994
13	Mr. Sanjay Shukla	Histopathological changes in mice alimentary canal following acute i.p. toxicity of HCH	1995
14	Ms. Seema Siddiqui	Protection of mice liver against mercuric chloride with a homeopathic drug - A histological and haematological study	1996
15	Ms. Ranjana Tailor	Protection of mice kidney with a homoeopathic drug against mercuric chloride intoxication - A Pilot Study	1998
16	Mr. G.S. Kelwa	Restoration of lead induced anaemia and splenomegaly in mice with a herbal compound A pilot study	2000
17	Mr. Prakash Mewada	Influence of a herbal compound on the mobilization of accumulated lead from some target organs in mice faeces - A pilot study	2000
18	Ms. Sangeeta Soni	A pilot study to test hypocholesterolemic activity of myrobalan (fruit of <i>T chebula</i> ) in mice	2001
19	Mr. Amit Khare	A pilot study on the effects of myrobalan (fruit of <i>T chebula</i> ) on mitotic cells in <i>Allium</i> test	2002
20	Ms. Ranjana Punyasi	Effect of myrobalan (fruit of <i>T chebula</i> ) pre treatment on lead induced changes in root tip cells in <i>Allium</i> test	2002
21	Ms. Pooja Joshi	Effect of myrobalan (fruit of <i>T chebula</i> ) post treatment on lead induced changes in root lip cells in <i>Allium</i> test	2002



35	..... I.H.Mir	sps. .....	2010
36	.....	Cytological effects of potassium dichromate in two models of <i>A. cepa</i> – A pilot study.	2010
37	Gh. G. Mohand	Cytological effects of Trifla in <i>Allium</i> test.	.....
38	Savita Marmat		2011
			2012

**Conferences Organized Nil**

**Organization of a Conference**

**Conferences / Seminars etc. Attended**

- (1) Presented poster in 12th International Conference of "European Society of Comparative Physiology and Biochemistry" (26-31 Aug. 1990) held in Utrecht, Netherlands, 1990.
- (2) Presented a poster in the 13th Annual Symposium of the "Academy of Environmental Biol. India" (21-23 Dec. 1990) held at Marathwada University, Aurangabad.  
Also, acted as Co-Chair person in one of the sessions in this conference.
- (3) Presented poster in 2nd International Symposium on "Innovations in Pharmaceutical Science & Technology" (25-27 Feb. 1994) held at Ahmedabad.
- (4) Presented poster in an International Conference on "Occupational and Environmental Medicine" (20-22 Jan. 1995) held at Bombay Hospital Bombay. It won best poster's award.
- (5) Delivered a Lecture in a Seminar on "Medicinal Plants of Malwa Region" held at S.S. in Geology, May, 9-10, 1997 sponsored by Ministry of Environment and Forests. Govt. of India.
- (6) Presented poster in "3rd International Congress on Phytomedicine" (Oct. 11-13, 2000) at Munich-Germany.

**Research Projects**

S. No.	Title of funding Agency	Amount of Fellowship	Amount of Contingent grant	Period of work	Publication come out from project
1.	Protection of mammalian testes by spaman following Cadmium intoxication Himalaya Drug Co. Bombay	Rs 250/- p.m. (Awarded to first M.Phil. student)	Rs 2,500/ one year	1.7.84 - 30.6.85	28
2.	Protection of mice liver by Liv-52 against heavy metal pollution (Himalaya Drug Co., Bombay)	Rs. 250/- p.m. (Awarded to third M.Phil. student)	Rs. 3,000/- one year	1.1.86 - 13.12.86	31, 32
3.	Protective effect of Liv-52 on mammalian blood, liver & kidney following Cadmium intoxication (Himalaya Drug Co Bombay).	Rs. 250/- p.m. (Awarded to fourth M.Phil. student)	Rs. 10,000/- one year	1.2.87-1.2.88	38
4.	Effect of heavy metals on the regeneration of catfish barbel or tadpole limb regeneration (Sponsored by U.G.C for Dr Rathore's own research)		Rs. 5,000/- two years	One year completed (11.10.84 to 11.10.85) Second year (9.7.86 to Feb. 1987)	27
5.	Protection of some target organs in mice against Hg intoxication with Liv-52 & its comparison with chelators (NaSe & DMSA) (Histological. haematological & atomic absorption study) (Himalaya Drug Co. Bombay).	Rs. 250/- p.m. to first Ph.D. student	Rs. 15,000/- per year for two years	1.10.91- 28.2.93	40, 42, 44, 49
6.	Restoration of mercury induced reproductive impairment in male mice with few drugs (MPCST, Bhopal)	Rs. 1,800/- p.m. 1 - Project fellow of Third Ph.D. student	Three years Rs. 15,000/- annual	15.11.95- 15.11.98	50, 53-56

## **Awards and Distinctions**

Presented poster in an International Conference on "Occupational and Environmental Medicine" (20-22 Jan. 1995) held at Bombay Hospital Bombay. It won best poster's award.

## **Association with Professional Bodies**

**Committees and Boards** -Editorial board of- Indian J Sci Res( Varanasi)

## **Other Activities**

### **Research Interests -**

Protection of mammalian target organs specially liver with herbal compounds.

Prevention of genotoxicity of drugs/mutagens in *Allium* test with herbal compounds.

### **Survey Articles**

### **Popular Article**

**Delivered Lectures – ASC, Ajmer-2012 on literature search, classical and online approach.**

**Forthcoming Research** on Herbals versus Paracetamol toxicity in bird