

BIODATA



Name: Dr. Rema Razdan

Designation: Professor, Department of Pharmacology

Qualification: M. Pharm., PhD

Research interest:

Pharmacological evaluation of drug and their combinations in treatment of Osteoporosis and Peripheral neuropathy.

Development of alternatives for use of animals in drug research.

Pharmacological evaluation of novel drug delivery systems.

Current professional experience and work responsibilities:

Academics: Teaching Experience: 23 years

Subjects handled at

UG level: Pharmacology and toxicology, Human anatomy and physiology.

PG level: Pharmacological screening methods and clinical evaluation
Molecular biology

Research:

PhD projects: 02

- 1) Pharmacological evaluation of novel drugs in rat models of peripheral neuropathy.
- 2) Evaluation of the efficacy and safety of zoledronic acid, alfacalcidol and propranolol as monotherapy and combination therapy in osteoporotic rats.

Number of research projects guided at PG level: 16

- 1) Investigation into the antidiabetic effects of Brassica oleracea L.(Gondylodes).
- 2) Hepatoprotective activity of whole plant extracts of Scoparia dulcis L.
- 3) Evaluation of antiurolithiatic and diuretic activity of Aerva lanata L.
- 4) Effect of hydroxyapatite and bisphosphonate complex on osteoporosis model in rats,
- 5) Evaluation of the effect of Argyreia speciosa on ulcerative colitis model in rats.
- 6) Evaluation of alloxan- hydroxyapatite composite in inducing diabetes mellitus: A preliminary study.
- 7) Efficacy of thyroxin in electroconvulsive shock induced amnesia in rats.

Information on collaborative research projects /Programmes:

In collaboration with Sagar Pharmaceuticals.

- 1) Antihyperlipidemic activity of a polyherbal formulation.
- 2) Hepatoprotective activity of a polyherbal formulation in chronic liver disease

In collaboration with Natural Remedies, Bangalore.

- 1) Antihepatic steatosis and antihyperlipedemic activity of a polyherbal drug.
- 2) Adaptogenic and immunomodulatory activity of a polyherbal drug

In collaboration with Pradhan Herbal, Bangalore.

- 1) Evaluation of antidiabetic activity of a polyherbal formulation in IDDM rats.
- 2) Evaluation of antidiabetic activity of a polyherbal formulation in NIDDM rats.

In collaboration with Vedic Bio-Labs, Bangalore.

- 1) Antiobesity activity of a polyherbal formulation.
- 2) Hepatoprotective activity of a polyherbal formulation against anti TB drug induced toxicity.

Honorary Posts:

Involvement in other professional activities: Scientific committee of IPC 2007 and 2008

Other Honorary Assignments:

Reviewer: Scientific papers in Pharmacog Mag, Indian Journal of Pharmaceutical Education and Research.

Others:

Approved examiner for other Universities: Examiner for PhD thesis of Gujarat University, M S University, Baroda and Hemchandra Chaya North Gujarat University. Examiner at UG and PG level at RGUHS.

Publications:

1. Venu Pamidiboina, Rema Razdan, M G Hariprasad. Evaluation of the antihyperlipidemic, cardioprotective activity of a polyherbal formulation. International Journal Of Pharmacy and Pharmaceutical Sciences.2010;2(1):86-91.
2. B S Suresh, M G Hariprasad, Rema Razdan, Ulla Imran. Antiobesity effect of lipovedic formulation in rats fed on atherogenic diet. The Internet Journal of Nutrition and Wellness 2009; 8(2).
3. Venu Pamidiboina, Satheesh H C, Rema Razdan, Praveen T K. Evaluation of antihypercholesterolemic activity of antichol against cholesterol cocktail induced hypercholesterolemia in rats. Pharmacologyonline 2009;2:470-478.
4. T.K.Praveen, S.Dharmaraj, Jitendra Bajaj, S. P. Dhanabal, S.Manimaran, M.J.Nanjan, Rema Razdan. Hepatoprotective activity of petroleum ether, diethyl ether and methanol extract of Scoparia dulcis L. against carbon tetrachloride-induced acute liver injury in rats. Indian J Pharmac. 2009; 41(3):110-114.
5. Hariprasad MG, Razdan R, Sharma S. Evaluation of the antidiabetic activity of a polyherbal formulation in rats. Pharmacologyonline 2009; 11:309-316.
6. Praveen TK, Razdan R, Satheesh H. Effect of the aqueous extract of Scoparia dulcis L. on CCL4 induced cytochrome P450 damage in rats. Pharmacologyonline 2008;3:8311-836.

7. Razdan R, Roy S. Study of the immunomodulatory activity of a polyherbal drug. *Pharmacologyonline* 2008;3:336-345.
8. Praveen TK, Razdan R, Meera NK, Githa K, Nanjan MJ. Hepatoprotective activity of *Scoparia dulcis* Linn. against carbon tetrachloride-induced liver cirrhosis in rats. *Asian Journal Of Traditional Medicines* 2008;3:1153-159.
9. Razdan R, Prashanth Y, Praveen TK. Antidiabetic effect of Diasansar in streptozotocin and fructose induced type-2 diabetes in rats. *Pharmacologyonline* 2008;11:311-3118.
10. Razdan R, Imranulla. Amardev MJ. Preventive and curative effects of Vedicguard against anti-tubercular drugs induced hepatic damage in rats. *PHCOG MAG* 2007;4:182-188.
11. Razdan R, Devarajan PV. Microemulsions- A Review. *Indian Drugs* 2003;40:139-146.
12. Razdan R, Mehta A, Goyal RK. Differential effects of calcium and sodium on the mechanical responses to various agonists in rat vas-deferens and anococcygeus muscle. *Indian J. Pharmac.*1989; 21:81-89.

No. of papers presented in conferences (International/National):

1. Effect of hydroxyapatite and bisphosphonate complex on osteoporosis model in rats. National Conference on Recent Trends and Applications of Nanotechnology in Pharmacy and Biology. Anna University, Tiruchirappalli. 21st and 22nd January 2010.
2. Evaluation of the effect of ethanolic root extract of *Argyrea speciosa* on ulcerative colitis model in rats. International Herbal Conference-2009, Bangalore.
3. Hypolipidemic and antioxidant activities of antichol in hypercholesteremic rats. International Herbal Conference-2009, Bangalore.
4. Evaluation of the antidiabetic activity of a polyherbal formulation in rats. International Conference on Transitional Pharmacology and 41st Annual conference of Indian Pharmacological Society, New Delhi, December 2008.
5. Antiobesity activity of lipovedic in atherogenic diet induced obesity in rats. 37th Annual Conference of the Indian Pharmacological Society, Kolkata, 2005.
6. Antioxidant activity of vedicguard in antitubercular drugs induced hepatotoxicity in rats. International Conference on “ Antioxidants and free radicals in health nutrition and radioprotectors”, Bangalore, Jan 2005.
7. Evaluation of a promising oral drug delivery system for insulin. 4th International Symposium on Innovations in Pharmaceutical Sciences and Technology. Ahmedabad, Feb 2000.
8. Investigation into the antidiabetic effect of *Brassica oleracea* L. (*Gongylodes*). 55th IPC, Chennai 2003.
9. Study of hepatoprotective activity of aqueous extract of *Scoparia dulcis* L. against carbon tetrachloride induced pentobarbitone sleep time prolongation in rats. 55th IPC, Chennai 2003.
10. Evaluation of anti-urolithiatic activity of *Aerva lanata* in calculi producing diet induced urolithiasis. 55th IPC, Chennai 2003.
11. In-vitro antioxidant effect of whole plant extracts of *Scoparia dulcis* L. 55th IPC, Chennai 2003.
12. Evaluation of anti-urolithiatic activity of *Aerva lanata* in surgical insertion of foreign body induced urolithiasis. 55th IPC, Chennai 2003.

13. Evaluation of hepatoprotective activity of whole plant extracts of *Scoparia dulcis* L55th IPC, Chennai 2003.

Workshops/Conferences/Seminars attended:

National:

- 1) Pharmatech-96. A workshop for postgraduates in Pharmacology, 1996, KEM Hospital, Mumbai.
- 2) Workshop in Experimental and Clinical Pharmacology. St. John Medical College, Bangalore 2002.
- 3) Workshop on “Alternatives, Animal Welfare and the Curriculum”, CUPA, Bangalore 2004.
- 4) Workshop on “Research Methodology, Biostatistics and Ethical aspects of Research”, RGUHS, Bangalore 2004.
- 5) Workshop on Science of Scientific Writing, Bangalore,, April 2005.
- 6) APTI, 11th Annual National Convention held at NIMHANS, Bangalore 2006.
- 7) National seminar on Yoga Therapy in Psychiatric and Neurological Disorders, NIMHANS, Bangalore, 2007.
- 8) Workshop on Drug Design, IISc, Bangalore 2007.
- 9) Workshop on Training of Teachers, AACCP, July 2009.
- 10) CPCSEA workshop for IAEC members, IISc, January,2010.

International:

- 1) International Symposium on “Advances in the Pharmacology of Anti-infective therapy”, Bangalore, January 2000.
- 2) International Conference on “Antioxidants and Free Radicals in Health Nutrition and Radio Protectors”, St. John’s National Academy of Health Sciences, Bangalore 2005.
- 3) International Symposium on “Progress in Drug Discovery and Development, Bangalore 2007.

Professional memberships:

Life member of Indian Pharmaceutical Association,
Life member of Indian Pharmacological Society and
Life member of Association of Pharmacy Teachers of India

Contact information:

Address: Dept. of Pharmacology,
Al-Ameen College Of Pharmacy
Opp. Lalbaug main gate,
Hosur road,
Bangalore 560027.
Fax No: 22225834

E mail I.D: rrazdan2002@yahoo.com