



- NAME Dr Rekha Khanna
- Teaching Experience 36 years
- Research Interest Immunology, Industrial pollution,
- Research Publication [Research Publications](#) :File attached
- 1 Experimental infection of the human dwarf tapeworm *Hymenolepis nana* in mice: Suppression of Immune Response by hydrocortisone acetate. M.Phil. thesis, Vikram University, Ujjain, 1982.
  - 2 Experimental infection of human dwarf tapeworm, *Hymenolepis nana*: Effect of lead nitrate on the Immune Response and other factors on mice, Ph.D. thesis, Vikram University, Ujjain, 1989.
  - 3 Influence of HcA on retention capacity of mice experimentally infected with human dwarf tapeworm, *H.nana*, Khanna,R. and Johri,G.N., abstract, proceedings of 5<sup>th</sup> **National Congress of Parasitology**, 1983, 137.
  - 4 Comparisons of adoptive immunity through sensitized cells from primary and secondary lymphoid organs in mice infected with *H.nana*. Khanna,R. and Johri,G.N., *Current Science*, 1985, 54, 465-467.
    - 5 *H.nana* infection in mice: Effect of hydrocortisone acetate on the retention and development of worms up to the adult stage. Khanna,R. and Johri,G.N., *National Academy of Science Letters*, 1986, 8, 253-255.
    - 6 Effect of lead nitrate on worm retention and serum protein changes in mice infected with *H.nana*, Khanna,R. and Johri,G.N., abstract, *Recent Trends In Immunology and Biochemistry*, 1988, IM-28.
    - 7 Immunosuppressive effect of lead nitrate exposed mice infected with *H.nana*. Khanna,R. and Johri,G.N.,

abstract,Ninth National Congress in Parasitology,1989,C-24,21.

- 8 Lead and Immunity: II Suppression of immune response to H.nana. Khanna,R. and Johri,G.N., J. of Hygiene, Epidimiology, Microbiology and Immunology, 1991,1, 1-7.**
- 9 Lead and Immunity: I Sppression of Immune response to H.nana in mice. Khanna,R. and Johri,G.N., Rivista Di Parasitologia, 1992,9,91-97.**
- 10 Lead pollution – A growing hazard to immune system.Khanna ,R.. Environmental impact analysis through low cost instrumentation and waste minimization, 1999,205-210.**
- 11 Immunosuppressive affects of lead on H.nana. Khanna,R Abstract,Recent trends in the field of microbiology with special reference to microbial genetics,2004,30.
- 12 Immunosuppressive affects of lead on humoral and cellular Immune system. Khanna,R., abstract, III rd M.P. Science congress 2006,30.
- 13 Role of media in preserving ecosystem. Khanna, R., Abstract, Role of NGOs and educational institutes in environmental education and ecotourism,2007,
- 14 Lead modulation on adoptive immune response in mice. Khanna,R. , J. of environ. res. develop. 2007,1(3),247-250.**
- 15 Effect of lead on immunity: Suppression of migration inhibition factor. Khanna,R., abstract,International congress of environmental research,2007LS-67,43.
- 16 Biomathematical analysis of Immunosuppressive action of Hydrocortisone acetate treatment and worm retention in mice., Rekha Khanna, abstract, Recent Sustainable trends of mathematics in various desciplines,2013 P31,22.
  
- 17 Effects of lead and cadmium contaminated water on the Immune system of Mice. R.R. Gorasya,R. Khanna and P. Bhokardankar,

Water Crisis In Rural and Urban Areas: Planning and management. 2013,24-27. ISBN 978-81-928133-2-5.

**18 Lead effects on Cellular Transfer of immune response, Migration Inhibition Factor and Humoral Immunity**

Khanna Rekha, J. of Environ. Res. Devlop. 2014,8(3A),1-7.

**19** Detection of hepatitis Antigen and Antibody in serum of female Human Population, Rekha Khanna, International Jr. of Research—

Granthalaya, 2015, 3(9),223-226.ISSN (O) 2350-0530, ISSN(P) 2394-3620.

20. Epidemiological Study of Liver Disorders in Human Population of Dewas, Rekha Khanna and Premlata Chouhan, Proceedings of 5th International Conference on Advance Research in Applied Sciences, Environment , Agriculture and Entrepreneurship Development. 2017, 225 -227. ISBN 978-93-5267-869-3.

21. Lead concentration in humans residing in industrial and non-industrial areas of Dewas town. Chauhan, P. and Khanna, R. J. of Environ. Res. Devlop. 2018,13(2),192 - 194.

Books published Nil

Chapters in Books Nil

Awards/ Achievements 1.Completed Two [Minor Research Projects](#) sponsored by UGC.

2 Registered Research guide of Vikram Vikram University Ujjain

**3 Citation in Book “ Inorganic lead Exposure: Metabolism and Intoxication” , by Nicolo Castellino etal, CRC, Barnes and Noble,Amazon Press 1997**

4 Guided for M.Phil. thesis .

5 At present giving guidance to 3 Ph.D.students .

6 One [student awarded Ph.D.](#)

7 **Chaired** the Session in International conference on Environmental research and Deveopment in 2013.

8. Ex [Member of Central Board of Studies](#) of M.P.

9. Ex [Member of Board of Studies](#), Vikram university, Ujjain.
10. Ex Member of Departmental Research Committee, Vikram University , Ujjain.
11. Member of Board of Studies of Govt. Geetanjali Girl's P.G. College, Ujjain.
12. Winner of State level Badminton tournaments in 2017 and 2018, Organised by Govt. Of M.P. , Deartment of Higher Education.
- 13 [Represented Madhya Pradesh in All India Civil Services Badminton Tourments in 2019.](#)
- 14 Member of [Executive Council of Sport's](#) ,Vikram University, Ujjain.

Subject Related activities:[Workshops Attended and Seminars Attained and Organized](#) :

### **Workshops Attended and Organized ---**

1. **Recent advances in Immunodiagonostic Techniques.**  
**Organised by Instut Pasteur, Peris and National Institute of Immunology, New Delhi. 1984.**
- 2 Shabdawali Karyshala organized by Human Resource Development, New Delhi at Vikram University, Ujjain (M.P.) 1988.
3. Perspectives in Bioinformatics and Biotechnology , Organised by Department of Biotechnology, DAVV, Indore (M.P.).1999.
4. Entrepreneurship Workshop Organised by SEDMAP (Bhopal) (M.P.). 2004.
5. Biochemical test and experiments , organize by Govt. Holkar Science College, Indore, (M.P.), 2007.
6. Applications of modern instruments, organized by Govt. Kalidas Girls College, Ujjain (M.P.). 2007.
- 7 Workshop on immunological experiments, Govt. Holkar Science College , Indore 27-28 march 2011.
- 8 Biodiversity and climate Change 31<sup>st</sup> march 2012, **Convenor** .Govt. Girls' P.G. College Ujjain.

- 9 Molecular techniques in Zoology 14-15 Sept 2012 ,**Convenor**. Govt. Girls' P.G. College Ujjain.
- 10 Biodiversity and Climate change , 31<sup>st</sup> march 2012, **Convener**. Govt. Girls' P.G. College Ujjain.
11. Essentials of conservation Biology, 23 rd March 2015, Govt. Girls P.G. College Ujjain.
12. Biological Conservation ,24<sup>th</sup> March 2015, **Convener**, Govt. Girls' P.G.College Ujjain.
13. Basics of Bioinformatics, National Workshop 10<sup>th</sup> – 12<sup>th</sup> Sept, 2015, Madhav Science P.G. College, Ujjain.
14. National workshop on Drug Discovery Technology: Approach of Computational Chemistry in Drug Design, A New Era of Bioinformatics and Biotechnology. Conducted by Biodiscovery Group , India. 8 - 12 Sept. 2016, Govt. Madhav Science P.G. College, Ujjain.
15. Rashtriya Seva Yojna awam Vyaktitva Vikas Prakoshth: Rashtriya Yuwa Saptah, Madhav Science P.G. College , Ujjain 13 Jan. 2017
16. Sansadiya Karyshala 2016 - 2017, Madhav Science P.G. College , Ujjain 18 Jan. 2017.
  
17. National Workshop on Biodiversity conservation : Need and strategies. School of studies in Environment management, Vikram University, Ujjain. 1-2 Feb. 2018.
18. **Training Program**: Prashasn awam prabandhkiyaacademy, RSVP Naronah , M.P. Bhopal 2<sup>nd</sup> April to 13 April 2018
  
19. Seven days workshop on Recent advances in Spectroscopic and Chromatographic Techniques. Feb 2019. Govt. Madhav Science P.G. College, Ujjain.
  
20. 21 days Online International e-Training cum Orientation Programme entitled “ Immunology –A Tool for management” Organised Deptt. Ovf Veterinary Science And Animal Husbandry , Mhow ( M.P.) from 11<sup>th</sup> to 31<sup>st</sup> Oct. 2021

**Seminars and Conferences Attended:**

- 1 National Seminar on Water crises in Rural and Urban Areas: Planning and Management. 2-3 March 2013
- 2 National Conference on Indian Environmentalism and Developmental Issues. March 3-4, 2014
- 3 6<sup>th</sup> International conference on Environmental Research, Aurangabad 19-21 December 2013.
- 4 National Seminar On Crystallography and its Applications. 25-26 Sept 2014 Govt. Girls P.G. College, Ujjain.
5. International conference on Scientific Innovation and Intellectual property rights, 18-20 Sept 2014. Vikram University Ujjain.
- 6 National Seminar on 'Latest trends in Analytical instrumentation and Innovative Techniques', Govt. Madhav Science P.G. College, Ujjain. 19-20<sup>th</sup> March.
- 7 International Conference on Recent trends in Agriculture, Veterinary and Life Sciences, Vikram University, Ujjain (M.P.), 30-31 January 2015.
- 8 National Seminar Development V/S Environment – A Reassessment. Jawaharlal Nehru Smriti Govt. P.G. College, Shujalpur. 4<sup>th</sup> March 2015.
9. National Seminar on “ Social Issues and Environmental Problems”., Govt. Girls P.G. College, Ujjain, 19<sup>th</sup> & 20<sup>th</sup> Sept, 2015.
10. National Consortium/ Science Festival on “ From Photonics to Exonomic Impact of Light”, Govt. Madhav Science P.G. College, Ujjain, 3<sup>rd</sup> & 4<sup>th</sup> Feb 2016.
11. National Seminar on light & light Based Technologies 2016, Govt. Girls P.G. College, Ujjain, 26 Feb., 1, 2 March 2016.
12. National seminar on “Strategies for Sustainable Use of land, Water, Air, Agriculture and Energy Resources”, Govt. Kalidas Girls College, Ujjain, 29-30 March 2016
13. National Conference on new Frontiers in Science: A Paradigm Shift to Policy Planning, Govt. Madhav Science P.G. College, Ujjain, 1/12/2017 to 3/12 2017
- 14 5<sup>th</sup> International Conference on Advance research in Applied Sciences, Environment, agriculture and entrepreneurship development, Bhopal, 4-6 Dec. 2017.
15. National Seminar on “NEHRU”, Govt. Madhav Science P.G. College, Ujjain. 14-15<sup>th</sup> Nov. 2019.
16. International Conference on Recent advances in Life Sciences for Betterment of Environment and Human health., Govt. Holkar Science College, Indore, 14 - 15 Dec, 2019.
17. National Webposium on Covid-19 and Environment, Pt. S.N. Shukla University, Shahdol (M.P.), 05/06/2020

18. International Webinar on “Life sciences Interventions to contain and combat COVID 19”

19. RED research International Talks daily “Impact of Air Pollution on Covid19”20/06/2020.

20. National Webinar **organised** on “Immunopathology, Clinical manifestations and therapeutic interventions” ,Deptt of Zoology, Madhav Science College, Ujjain. 30/06/2020 to 01/07/2020

International Webinar **organised** on “ Toll like receptor -4 mediated immune responses in the development of cancer”.Deptt. Of Zoology, madhav Science P.G. College, Ujjain. 13/01/2021.

Major Social Engagements:

1. **Worked for lost male children to search their parents.**

**File attached ...[Kishore Grah Ujjain](#)**

2. **Regularly donate some amount to “[Child Help Foundation](#)” for medical treatment of poor children**

Teaching learning Pedagogy : For teaching we use :

1. Traditional method i.e.black board.

2. Modern teaching aids i.e. LCD, Vizualizer,Internet,

3. Online classes on Google meet

4. also provide study material on whatsaap .