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**Dr. P. C. Mali**

Associate Professor

## CURRICULUM VITAE



### My Citation indices

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Citations	162
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- 1. Name:** DR. Pratap Chand Mali
- 2. Designation:** Associate Professor
- 3. Father's Name:** Shri Ram Charan Lal
- 4. Date of Birth:** 09- 09 -1969
- 5. Nationality:** Indian
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### 7. ACADEMIC QUALIFICATIONS: M Sc, Ph D

**8. Ph. D. :** Antifertility Studies of certain xerophytic plants in male albino rats.

**9. Specialization:** Ph D – Reproductive Physiology

### 10. Member:

- Life Member: Indian Science Congress Association (ISCA)
- Life Member: Indian Society for the Study of Reproduction and Fertility (ISSRF)
- Life member: Society for Reproductive Biology and Comparative Endocrinology (SRBCE).
- Life Member: Indo Global Health Care Research Foundation (IGHCRF)

### 11. Editor:

- Associate Editor: Frontiers in Reproductive Bioscience**
- Tropical Editor: Journal of Life Medicine (JLM)**
- Associate Editor: International Journal of Zoology Research**
- Editorial Board: Agricultural and Biological Sciences Journal**
- Editorial Member: International Journal of Plant Research**

### 12. Participitation in Seminars/ Symposium/Conference/Workshops

(I) 81<sup>st</sup> Session of the Indian Science Congress Association held at University of Rajasthan, Jaipur January, 3rd–08-1994.

(II) National Symposium on Reproductive Health Care and 5<sup>th</sup> Annual meeting of the Indian Society for Reproduction and Fertility (ISSRF) held at Department of Zoology, University of Rajasthan, Jaipur February 4 -8, 1994.

(III) Scientific Writing Workshop Conducted by the World Health Organization and Department of Reproductive Biology, All India Institute of Medical Sciences, New Delhi, February 5–7, 1997.

(IV) National Seminar on Relevance of Vocational Courses for Undergraduate Classes, Sponsored by UGC, Conducted by University Maharaja's College, Jaipur July 27-28, 2002.

(V) National Conference on Recent Advances in Reproductive Health and 15th Annual meeting of the Indian Society for Reproduction and Fertility (ISSRF) held at Department of Zoology, University of Rajasthan, Jaipur February 6<sup>th</sup>-8<sup>th</sup>, 2003.

(VI) National Conference on Environment and Natural Disaster management organized by Department of Zoology under the auspices of The Indian Academy of Environmental Science and Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur November 28-30, 2005.

(VII) Symposium on Frontiers in Reproduction: Concepts and Applications in Genomic era organized by Animal Biochemistry Division, National Dairy Research Institute (NDRI), Karnal, (Haryana) February 23-25, 2006.

(VIII) Symposium on Awareness and strategies of AIDS Under the auspicious Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur, December 1, 2006.

(IX) Training Course on “Application of Research Techniques in Reproductive Biomedicine organized by National Institute of Health and Family Welfare (NIHFW), New Delhi December, 11<sup>th</sup> to 22<sup>nd</sup> 2006.

(X) Conference on “Recent Advances and Challenges in Reproductive Health Research and 17<sup>th</sup> Annual meeting of the Indian Society for the Study of Reproduction and fertility (ISSRF), organized by Indian Council of Medical research and ISSRF at New Delhi, February 19-21, 2007.

(XI) National Symposium on “Cancer : Diagnosis, Awareness and Treatment Organized by Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur on February 24, 2007.

(XII) 63<sup>rd</sup> annual meeting of American Society for Reproductive Medicine on “Capitalizing on innovations in reproductive health care” Organized by American Society for Reproductive Medicine (ASRM) at Washington DC, USA, October 13-17, 2007.

(XIII) National Seminar on review of Zoology syllabi: Retrospective and Prospective Analysis organized by Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur (India) February 1-2, 2008.

(XIV) National seminar on Health impact of radiation: current status and future prospects organized by Indian Society for Radiation Biology (ISRB) and Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur (India) February 9, 2008.

(XV) International Conference on Free Radicals and Natural Products in Health (FRNPH-2008) and 7<sup>th</sup> annual meeting of the Society of Free Radical Research-India (SFRRRI) Organized by CAS, Department of Zoology, University of Rajasthan, Jaipur (India) February 14-16, 2008.

(XVI) National symposium on an Update of Male reproduction and infertility Organized by Division of Endocrinology, Central Drug Research Institute, Lucknow, March 13-14, 2008.

(XVII) International Conference on Radiation Biology & Translation Research in Radiation oncology Organized by Indian Society for Radiation Biology (ISRB) and Department of Zoology, University of Rajasthan, Jaipur (India) November 10-12, 2008.

(XVIII) Second Congress of the Asia-Pacific Council on Contraception (APCOC) Organized by the Asia-Pacific Council on Contraception (APCOC), on "Contraception for all: how, why, what and when?" at Macau, China on December 4-6, 2008.

(XIX) International Conference on Germ Cell Development function and 19<sup>th</sup> Annual meeting of ISSRF Organized by ISSRF and II Sc held at II Sc Bangalore on January 22-24, 2009.

(XX) International Congress on Bio-immunoregulatory mechanisms associated with reproductive organs: relevance in fertility and sexually transmitted infections, National Institute of Immunology, New Delhi (India) February 9-13, 2009.

(XXI) 4<sup>th</sup> Global summit on Medicinal and Aromatic Plants (GOSMAP) Organized by Society for Medicinal Plant and Natural Product Research, Germany and Century Foundation, India held at Kuching, Sarawak, Malaysia on December 1-5, 2009.

(XXII) International symposium on endocrinology and Reproduction: Molecular Mechanisms to molecular medicine and 28<sup>th</sup> meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE) held at JNU, New Delhi (India) on February 4-6, 2010.

(XXIII) International Conference on Reproductive Health & 20<sup>th</sup> Annual Meeting of the ISSRF organized by the Department of Zoology, University of Rajasthan Jaipur February 8-10, 2010.

(XXIV) 20<sup>th</sup> World congress on Fertility and Sterility organized by German Society for Reproductive Medicine held at the Gasteig, Munich, Germany on September 12-16, 2010.

(XXV) International Conference on Multidisciplinary Approaches to Diabetes Research & Health (ICMADRH - 2010), University of Rajasthan, Jaipur, India, November 14-16, 2010.

(XXVI) International Interdisciplinary Science Conference-2010 on Nanobiotechnology: Interface between Physics and Biology, Jamia Millia Islamia, New Delhi, India, December 2-4, 2010.

(XXVII) National Conference on AIDS: Current scenario and future Challenges December 1-3, 2011 Organized by Centre for advanced studies, Department of Zoology, University of Rajasthan, Jaipur under the auspices of the Indian Society for the Study of Reproduction and Fertility (ISSRF), Jaipur on December 1-3, 2011.

(XXVIII) International Conference on Cancer Prevention, Diagnosis & Treatment (ICCPDT), 2012 Organized by Indian Society for Radiation Biology (ISRB) at Department of Zoology, University of Rajasthan, Jaipur on January 21 -22<sup>nd</sup>, 2012.

(XXIX) Indo US CITI Workshop on Promoting Ethics & Professionalism in Biomedical Research Organized by Poddar international college, Jaipur under the auspicious of Indo Global healthcare research foundation & Sri Ramcahandra University Chennai, CITI India on January 23, 2012.

(XXX) National symposium on Reproductive Biotechnology: Retrospective and Prospective Vision Organized by National Dairy Research Institute (NDRI), Karnal and Indian Society for the Study of Reproduction and Fertility, at NDRI, Karnal, India January 30-31, 2012 .

(XXXI) International Conference on Reproductive health with emphasis on strategies for family planning and 22<sup>nd</sup> Annual meeting of ISSRF Organized by Indian Council of Medical Research (ICMR) and Indian Society for the Study of Reproduction and Fertility(ISSRF) AIIMS, New Delhi, India February 19-21, 2012.

(XXXII)National Conference on Use of Animals and Alternatives in Biomedical Research with emphasis on Drug Development (NUBAB)Organized by Centre for Advanced Studiers, Department of Zoology, University of Rajasthan, Jaipur December 14-16, 2012.

(XXXIII) Orientation Course for NSS Programme Officers, Centre for Management HCM Rajasthan State Institute of Public Administration, Jaipur(India) February 18-24, 2013

(XXXIV) 7th Chandigarh Science Congress, Contemporary Issues & Interdisciplinary Science & Technology For Societal Needs” Organized by Punjab University, Chandigarh, March 1-3, 2013

(XXXV) National Conference on Applications of Natural Products for Human Health & Bioremediation of Pollutants (NPBP 2013), University of Rajasthan, Jaipur, India, March 22-23, 2013.

(XXXVI) National Seminar on Chemistry for economic growth and human comfort Organized by Department of Chemistry, University of Rajasthan, Jaipur August 31,2013

(XXXVII) Symposium and Workshop on ‘Pluripotent Stem Cells in Adult Mammalian Gonads’ from 6-7 September 2013 at NIRRH, Parel, Mumbai.

(XXXVIII) 23rd Asian and Oceanic Congress of Obstetrics and Gynaecology, October 20-23, 2013 at the Centara Grand & Bangkok Convention Centre at Central World, Bangkok

(XXXIX).National conference on Mobile phones and Electromagnetic pollution hazards: Challenges & Solutions (NCMER,-2013) December 20-21, 2013 at IIS University Jaipur.

(XXXX) National Seminar On Reproductive Health Awareness (RHA) September 12-13, 2014 at IIS University, Jaipur.

(XXXXII) 17 th international conference of international academy of physical sciences (CONIPAS XVII) on emerging trends in physical sciences & technology held at university of Rajasthan, Jaipur on January 16-18,2015.

(XXXXIII) National Workshop on Applications of Computational Tools in Medicine & Biology (NWMB 2015) at Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur-(India)on January 24<sup>th</sup> 2015.

(XXXXIV) Seminar on “Advances in Nano Mechanical Surface Characterization and fundamental concepts of Nano-Mechanical Characterization techniques at Industrial Tribology, Machine Dynamics and Maintenance Engg. Centre (ITMMEC), IIT Campus New Delhi ,August 28, 2015

(XXXXV) National seminar on Advances in natural Sciences for indigenous development in India by Department of Botany, University of Rajasthan, Jaipur-under the Auspicious of Indian Science Congress Association(ISCA) on September 30<sup>th</sup>- October,2<sup>nd</sup>, 2015.

### **Conference/ Workshop Organized**

1. Joint Organising Secretary -International Conference on Multidisciplinary Approaches to Diabetes Research & Health (ICMADRH - 2010), University of Rajasthan, Jaipur, India, November 14-16, 2010.
2. Organising Secretary- National Workshop on Biomedical Instruments & Technologies (NWBIT- 2015) organized at Department o Zoology, University of Rajasthan, Jaipur on March 13-14<sup>th</sup> 2015

### **13. Awards**

**1.Asia-Pacific Council on Contraception (APCOC)Talents Encouragement Award** for poster “Contraceptive activity of *Withania somnifera* (L) Dunal fruits extract in male albino rats” presentation in the Second Congress of the Asia-Pacific Council on Contraception on “Contraception for all: how, why, what and when?” held at Macau,China on December 4-6, 2008.

**2. Conferred: Best Citizen of India Award, 2010.**

### **14. LIST OF PUBLICATIONS**

1.Mali PC, Gupta RS and Dixit VP (1994) Antifertility studies of root extract of *Martynia annua* Linn in male albino rats Presented at 81<sup>st</sup> Session of the Indian Science Congress Association at University of Rajasthan, Jaipur, p 32

2. Mali PC and Chaturvedi M (1994) Inhibition of spermatogenesis with the 50 % EtOH extract of *Euphorbia neriifolia* Linn in male rats National Symposium on: Reproductive Health Care and 5<sup>th</sup> Annual meeting of the Indian Society for Reproduction and Fertility (ISSRF) held at Department of Zoology, University of Rajasthan, Jaipur (India) p 114.
3. Chaturvedi M, Mali, PC and Dixit VP (1994) Antifertility studies of *Citrullus colocynthis* Schard fruit (50 % EtOH extract) in male rats National Symposium on Reproductive Health Care and 5<sup>th</sup> Annual meeting of the Indian Society for Reproduction and Fertility (ISSRF) held at Department of Zoology, University of Rajasthan, Jaipur p 113.
4. Chaturvedi M, Mali, PC and Dixit VP (1995) Antifertility effects of the roots of *Echinops echinatus* (Roxb.) in male rats J Environ and Pollu 2 (4) 153 - 157.
5. Chaturvedi M, Mali, PC and Dixit VP (1995) Fertility regulation in male rats with the help of *Echinops echinatus* of root extract J Phytological Res 8(1/2) 115-118.
6. Chaturvedi M, Mali, PC and Dixit VP (1995) Hypolipidemic effect of *Convolvulus microphyllus* in cholesterol fed gerbils (*Meriones hurrianae* Jerdon ) J Phytological Research 8(1/2) 153 - 155.
7. Mali PC, Chaturvedi M, and Dixit V P (1996) Antispermatic activity of *Solanum xanthocarpum* S & W root (50 % EtOH extract) in rats J Phytological Research 9(1) 13 - 17.
8. Mali PC (1999) Antifertility effects of *Euphorbia neriifolia* L. root extract in male albino rats Indian Journal of Environment. Sci. 3 (2) 185 - 190.
9. Mali PC, Chaturvedi M, Ansari A S and Dixit V P (2001) Antispermatic effects of ethanolic extract of *Citrullus colocynthis* Schard root in male albino rats: a preliminary study Pharmaceutical Biol. 39( 2) 113 - 119.
10. Mali PC, Ansari AS and Chaturvedi M (2002) Effects of chronically administered *Martynia annua* root extract on male rats J Ethnopharm 82 (2-3) 61 - 67.
11. Mali PC (2003) Antispermatic and antiandrogenic effects of *Citrullus colocynthis* Schard root (50% Ethanol extract) in male albino rats National Conference on Recent Advances in Reproductive Health and 15<sup>th</sup> Annual meeting of the ISSRF, Department of Zoology, University of Rajasthan, Jaipur p 94
12. Chaturvedi M, Mali PC, and Ansari AS (2003) Induction of reversible antifertility with crude extract of *Citrullus colocynthis* Schard fruit in male rats Pharmacology 68 (1) 38 - 48.
13. Mali PC (2005) Fertility control with the roots of some medicinal plants in male albino rats National Conference on Environment and Natural Disaster management organized by Department of Zoology under the auspices of The IAES and CAS in Zoology, p 95
14. Mali PC (2006) Effects of 50% ethanolic extracts of *Euphorbia neriifolia* L. (root) on testicular functions and accessory reproductive organs of male albino rats Presented at Symposium on:

Frontiers in Reproduction: Concepts and Applications in Genomic era and 16<sup>th</sup> Annual meeting of ISSRF organized by Animal Biochemistry Division, National Dairy Research Institute (NDRI), Karnal (Haryana) p 133.

15. Mali PC and Chouhan PS (2007) Population explosion in India Requires more contraceptive prevalence: Recent Advances and Challenges in Reproductive Health Research and 17<sup>th</sup> Annual meeting of the (ISSRF), organized by ICMR and ISSRF at New Delhi, p 188.

16. Mali PC (2007) Antispermatozoic effects of traditionally used Indian medicinal plants in male albino rats Fertility & Sterility 88 Sup (1) S245.

17. Mali PC (2008) Contraceptive efficacy of ethanolic extract of *Solanum xanthocarpum* S & W in rats has been accepted for poster presentation at EBCOG held at Lisbon Congress Centre, Portugal from March04-08, 2008.

18. Mali PC, Chouhan PS and Chaturvedi M (2008) Antifertility effects of Ashwagandha in male albino rats presented in the international conference on Free Radicals & Natural Products in Health" and 'Seventh Annual Meeting of the Society of Free Radical Research-India' held at Department of Zoology, University of Rajasthan, Jaipur February 14-16, 2008 P-58, pg 96..

19. Mali PC, Chouhan PS, Chaudhary R and Dixit VP (2008) Evaluation of contraceptive activity of some traditional medicinal plants in male rats European J Contracep Reprod Health Care 13 (1) 32-33.

20. Mali PC, Chouhan PS Chaudhary R (2008) Biochemical and histological changes in male albino rats after oral administration of *Withania somnifera* Dunal ethanolic extract ,National Symposium on Recent Trends in Reproductive Health Research and 18<sup>th</sup> Annual meeting of the Indian Society for the Study of Reproduction and fertility organized by Department of Gynecology / Obstetrics Owaisi Hospital and Research Centre Deccan College of Medical Sciences, in collaboration with CCMB, Hyderabad(India),P-2 pg 160-161.

21. Mali PC, Chouhan PS, Chaudhary R.(2008) Evaluation of antifertility activity of *Withania somnifera* in male albino rats Fertility Sterility 90(1) S18.

22. Chaudhary R and Mali PC (2008) Evaluation of antifertility activity of *Peganum harmala* extract in male albino rats Ind J Rad Res 5(3-4) 194-195.

23. Mali PC (2008) Contraceptive activity of *Withania somnifera* (L) Dunal fruits extract in male albino rats Presented in the Second Congress of the Asia-Pacific Council on Contraception ( APCOC ) held at Macau, China December 4-6, 2008 pg A-28-A-29.

24. Mali, PC, Chaudhary, R and Dhakad, S (2009) Evaluation of reversible contraceptive efficacy of the traditional medicinal plants" presented poster in International Conference on Germ Cell Development function and 19<sup>th</sup> Annual meeting of ISSRF held at II Sc Bangalore during January 22-24, 2009 p 109.

25. Mali PC (2009) Phytomedicine can provide a safe and reversible male contraceptive. *Planta Med* 75: 1005-1006.
26. Mali PC (2009) Is the herbal male contraceptives is the better option to control human population” Abstract has been accepted for Free Communication ( FC50),oral presentation to FIGO 2009 XIX World congress of Gynecology and Obstetrics held at Cape Town, South Africa on October 4-9, 2009.
27. Dhakad S, Kaushik S, Bharaj P, Jain P, Mali PC and Broor S(2009) Comparison of influenza virus detection and typing by virus isolation and reverse transcription PCR (RT-PCR) Presented in xxxiii National conference of Indian Association of Medical Microbiologist held at JSS Medical college, Mysore ( India) on November 3-8,2009 P 211-212.
28. Mali PC (2009) Reversible contraceptive efficacy of the traditionally used medicinal herbs in male rats Presented in the 4<sup>th</sup> Global summit on Medicinal and Aromatic Plants (GOSMAP) Organized by Research, Germany and Century Foundation, India held at Kuching, Sarawak, Malaysia on December 1-5, 2009 p 49 .
29. Chaudhary R, Mali PC and Singh AR (2010) Antifertility activity of *Maytenus emarginata* plant extract in male albino rats presented in the International Conference on Reproductive Health & 20<sup>th</sup> Annual Meeting of the Indian Society for the Study of Reproduction & Fertility organized by the Indian Society for the Study of Reproduction & Fertility held at Department of Zoology, University of Rajasthan, Jaipur February 8-10, 2010 p 21.
30. Mali PC(2010) Safety, reversibility, use, abuse and side effects of contraceptives in world Abstract accepted for Presentation at the 3rd Congress of the Asia Pacific Initiative on Reproduction (ASPIRE 2010), held at the Bangkok Convention Centre at Central World, Bangkok, Thailand from 9-11 April 2010.
31. Mali PC and Chaudhry R (2010) Evaluation of reversible contraceptive efficacy in male rats of three herbal plants used for cancer treatment *J Reprod Medicine Endocrinol* 7 (4) 247.
32. Mali PC, Chaudhary R, Khan S and Sharma C(2010) Plants used for abortifacient activity in tribes may provide a safe and cheap drug for the diabetes treatment or management" International Conference on Multidisciplinary Approaches to Diabetes Research & Health (ICMADRH - 2010), University of Rajasthan, Jaipur, India, November 14-16, 2010.
33. Dhakad S, Singh Y, Kaushik S, Jain P, Mali PC and Broor S (2010) Comparison of Influenza virus detection and typing by Hemagglutinin inhibition assay (III) with reverse transcription PCR (RT-PCR) Presented in XXXIV Annual conference of Indian Association of Medical Microbiologist MICROCON 2010 “Microbes-Its past, present and future” held at Swabhumi, Kolkata, November 24-28,2010pg 199.
34. Mali PC and Khan S (2011) Evaluation of antifertility activity of ethanolic extract of *Cassia occidentalis* in male Wistar rats, International Conference on Frontiers in Reproductive Biotechnology and 21st Annual Meeting of the Indian Society for the Study of Reproduction and



- Fertility, being organized by National Dairy Research Institute (NDRI), Karnal and Indian Society for the Study of Reproduction and Fertility, at NDRI, Karnal, India during February 9-11, 2011 Pg 168.
35. Mali PC (2011) Contraceptive activity of ethanolic extracts of *Citullus*, *Euphorbia*, *Martynia*, *Solanum* and *Withania* in male Wistar rats Int J Gynecol Canc 21( S2) 55.
36. Mali P C (2012) *Withania somnifera* an herbal remedy to human population poster presented in International Conference on Cancer Prevention, Diagnosis & Treatment (ICCPDT), 2012 held at Jaipur on January, 21 -22 ,2012.
37. Mali P C and Chaudhary R (2012) Degenerative changes in spermatogenic cell cycle in male albino rats followed *Peganum harmala* and *Maytenus emargineta* extracts treatment National symposium on Reproductive Biotechnology: Retrospective and Prospective Vision Organized by National Dairy Research Institute (NDRI), Karnal and Indian Society for the Study of Reproduction and Fertility, at NDRI, Karnal, India January 30-31, 2012 Pg 32.
38. Mali P C and Chaudhary R (2012) Degenerative changes in spermatogenic cell cycle in male albino rats followed *Peganum harmala* and *Maytenus emargineta* extracts treatment poster presented in National symposium on Reproductive Biotechnology: Retrospective and Prospective Vision organized by National Dairy Research Institute (NDRI), Karnal and Indian Society for the Study of Reproduction and Fertility, at NDRI, Karnal, India January 30-31, 2012 Pg 32.
39. Mali PC and Chaudhary R (2012) Evaluation of contraceptive effects of ethanolic extracts of *Maytenus emargineta*, *Peganum harmala* and *Withania somnifera* in male albino rats to develop a male contraceptive agent International Conference on Reproductive health with emphasis on strategies for family planning and 22<sup>nd</sup> Annual meeting of ISSRF Organized by ICMR and Indian Society for the Study of Reproduction and Fertility, at AIIMS, New Delhi, India February 19-21, 2012 pg 206.
40. Khan S, **Mali PC** and Singh A R (2012) Antifertility activity of ethanolic extract of *Cassia tora* in male Wistar rats International Conference on Reproductive health with emphasis on strategies for family planning and 22<sup>nd</sup> Annual meeting of ISSRF Organized by ICMR and Indian Society for the Study of Reproduction and Fertility, at AIIMS, New Delhi, India February 19-21, 2012 pg 248.
44. Singh A R and **Mali PC** (2012) Contraceptive activity of Wthaferin- A in male albino rats International Conference on Reproductive health with emphasis on strategies for family planning and 22<sup>nd</sup> Annual meeting of ISSRF Organized by ICMR and Indian Society for the Study of Reproduction and Fertility, at AIIMS, New Delhi, India February 19-21, 2012 pg 112.
45. Khan S, Singh AR and Mali PC (2012) Evaluation of antifertility activity of *Cassia occidentalis* to develop a fertility regulating agent presented in National Conference on Use of Animals and Alternatives in Biomedical Research with emphasis on Drug Development (NUBAB) Organized by Centre for Advanced Studiers, Department of Zoology, University of Rajasthan, Jasipur December 14-16, 2012p42.

46. Mali PC and Chaudhary R (2013) Evaluation of fertility regulation effects in male albino rats with oral administration of *Peganum harmala* and *Withania somnifera* VSA P-44, have been accepted for Poster presentation during the 100<sup>th</sup> Indian Science Congress to be held in Calcutta University, Kolkata from January 3 to 7, 2013.

48. **Mali PC** and Singh AR, (2013) Isolation, characterization and evaluation of antimicrobial activity of Withanolide-A of *Withania somnifera* Int J of Pharmacol Res 3(3)48-52.

49. **Mali PC** (2013) Evaluation of Indian traditional medicinal plants to develop a new safe, reversible male contraceptive agent presented orally in 7<sup>th</sup> Chandigarh Science Congress, Contemporary Issues & Interdisciplinary Science & Technology for Societal Needs Pg 04.

50. Sharma DK, Soni P, Luhadia G and **Mali PC** (2013) Role of terpenoids and phenolic compounds as chemopreventative action of anticancer drugs accepted for poster presentation in the National Conference on Applications of Natural Products for Human Health & Bioremediation of Pollutants (NPBP 2013).

51. Mali PC, Soni P, Sharma D K and Luhadia G (2013) New innovations on applications needed for standardization of traditional medicinal plants to develop effective natural products for human health and economic growth of Rajasthan, Poster Presented in National Seminar on Chemistry for economic growth and human comfort Organized by Department of Chemistry, University of Raj, Jaipur August 31, 2013

52. Mali PC (2013) Control of fertility in male Wistar rats treated with hydro alcoholic extract of *Withania somnifera* fruits Int. J. Pharmacol. Bio. Sci. Vol. 7 (3) 13-21

53. Mali PC (2013) Inhibition of spermatogenesis and fertility of male rats with treatment of plants extracts. Presented at 23rd Asian and Oceanic Congress of Obstetrics and Gynaecology, (ACOG 2013) on October 20-23, 2013 at the Centara Grand & Bangkok Convention Centre at Central World, Bangkok

54. Mali PC, Sharma DK, Soni P and Luhadia G (2013) Impacts of use and abuse of mobiles and other electromagnetic devices on human health National **Conference on Mobile Phones & Electromagnetic Pollution Hazards: Challenges & Solutions** (NCMER-2013) December 20-21, **2013** P-32

55. Singh AR and Mali PC (2014) Contraceptive like effects of alkaloids *Withania somnifera* in male albino rats International conference on Reproductive Health Issues and Strategies under changing climate Scenario and 24<sup>th</sup> annual meeting of ISSRF Feb 6-8, 2014 at IVRI, (U.P.) Pg 157

56. Luhadiya G, Kumari N and Mali PC (2014) Study of antifertility effects of *Tephrosia purpurea* plant Published in Proceedings of Agriculture, food engineering and environmental sciences sustainable approaches (AFEESSA-2014) JNU, Delhi, 2014 pp 106-108

57. Dhakad S, Diddi K, Kaushik S, Mali PC and Broor S (2015) Comparison of multiplex RT-PCR with virus isolation in MDCK cells for detection, typing and subtyping of influenza virus in clinical samples from influenza-like illness (ILI) cases. Ind J Med Microbiol. 33 (1) 73-77

58. Soni PK, Luhadia G, Sharma DK, and Mali PC (2015) Antifertility activates of traditional medicinal plants in male with emphasis on their mode action: A review J Global Bioscience 4 (1) 1165-1179.
- 59.. Mali PC and Chaudhary R (2015) Antifertility effects of ethanolic extracts of *Maytenus emarginata* and *Peganum harmala* fruits in male albino rats 25<sup>th</sup> annual meeting of ISSRF, Mumbai
60. Sharma DK, Luhadia G, Soni P K and Mali PC (2015) Traditionally used Indian medicinal plants exhibits contraceptive activities: A review Int. J. Pharmacol. Bio. Sci. 9 (3) 39-48
61. Luhadia G, Sharma DK, Soni PK and Mali PC (2015) Exploration of traditional medicinal plants for antifertility effects: A review Adv. Pharmacol. Toxicol 16 (1) 65-71
62. Mali PC, Singh A R, Verma M K, Chahar M K and Dobhal MP (2015) Contraceptive effects of Withanolide- A in adult male albino rats Adv. Pharmacol. Toxicol. 16 (1) 31-44
63. Luhadia G, Sharma D K, Soni P K and Mali PC (2015) *Tephrosia purpurea* exhibits potentials of male contraceptive effects on Leydig and Sertoli cells International Congress on Implantation & Pregnancy Intricies and Strategies for its success NII New Delhi March 9-11, 2015 p 64
64. Singh G and Mali PC (2015) A review on antifertility effects of Indian plants used traditionally for contraception Int J Pharm Bio Sci 6(4): 209 - 217
65. Luhadia G ,Sharma DK, Soni PK and Mali PC (2014) Anticancer, antimicrobial and antifertility activities of some medicinal plants: a review" MDR.
66. Soni PK, Sharma DK, Luhadia G and Mali PC (2015) Pharmacological activities of secondary metabolites used to cure human disease" Accepted for the proceedings of National Conference on Applications of Natural Products for Human Health & Bioremediation of Pollutants (NPBP 2013)
67. Kumawat R, Mali PC and Sharma RA (2015) Ethanomedicine and pharmacological activities of five traditionally used medicinal plants: a review. Advances In Pharmacology and Toxicology 16 (3) 45-56 (ISSN 0973-2381)
68. Sharma C, Mali PC and Chaturvedi M(2015) Evaluation of contraceptive efficacy of methanolic extract of *Citrullus colocynthis* in male rats "**Communicated**"
- 69.** Soni PK and Mali PC(2015) Oral administration of *petroleum* ether extract of *Tecomella undulata* leaves affects spermatogenesis and fertility of male rats "**Communicated**"
71. Gourav Luhadia and Mali PC (2015) Antifertility and antispermatogenic effects of ethanolic extract of *Tephrosia purpurea* fruits in albino rats "**Communicated**"

## 15. Books, Journals Published/Edited: 02

1. Published a text book “Koshika Vigyan aur Aanuvanshki / Rajasthan Hindi Granth Academy, Jaipur, 2004.
2. Editor Elsevier Journal:-Industrial Crops and Products Edited:Ms.Ref.No.: INDCRO-D-11-00420 Title: Efficacy of medicinal plant extracts against Formosan subterranean termite, *Coptotermes formosanus*

## 16. Projects completed

1. University Grants Commission (UGC), CRO, Bhopal has sanctioned a Minor Research Project entitled “**Evaluation of antifertility effects of some plants extract in male albino rats**” vide No. 304028 dated 07/02/2006.
2. University Grants Commission (UGC), New Delhi has sanctioned a Major Research Project entitled “**Reversible contraceptive efficacy and safety evaluations of Withaferin-A and Withanolide-A in male rats: A biochemical and ultra structural investigation**”, Vide No.F. No.36-288/2008(SR) dated March 26, 2009.
3. **Department of Science and Technology (DST) Govt. of Rajasthan, Jaipur has sanctioned a Major Research Project entitled “Screening of spermicidal and reversible contraceptive activities of *Cassia occidentalis* in male albino rats”** vide no. F. No.P7 (3) DST/R&D/2008/10678-89 Dated: December 15, 2009.

## 17. Research Scholars: Ph D Awarded

- (1) **Rajesh Chaudhary:** Title of the thesis: Evaluation of antifertility activity of *Peganum harmala* Linn and *Maytenus emarginata* (Wild) Ding-Hu extracts in male albino rats. **(Awarded on 18/07/2011)**
- (2) **Shivram Dhakad:** Title of the thesis: Detection of human influenza virus using reverse transcriptase polymerase reaction (RT-PCR) and comparison with virus Isolation in tissue culture. **(Awarded on -22/11/2011)**
- (3) **Ashish Ranjan Singh:** Title of the thesis: Reversible contraceptive efficacy and safety evaluation of Alkaloids of *Withania somnifera* in male albino rats. **(Awarded on-04/10/2013)**
- (4) **Samiya Khan:** Title of the thesis: Evaluation of spermicidal, reversible contraceptive efficacy and safety of *Cassia occidentalis* and *Cassia tora* extracts treated male albino rats. **(Awarded on-19/04/2014)**
- (5) **Chetna Sharma:** Title of the thesis: Reversible contraceptive efficacy of *Citrullus colocynthis* in male albino rats **(Awarded on -12/09/2015)**

## Doing Ph. D. under supervision

**(1) Pawan Soni** (RS/534/13/10817) Title of the thesis: Studies of the effects of *Tecomella undulata* on testicular function and fertility in male Wistar rats” **UGC-NET**

**(2) Deepak Kumar Sharma**(RS/535/13/12525) Title of the thesis: Evaluation of effects on Sertoli and Leydig cells in male Wistar rats treated with methanolic extract of *Maytenus emarginata*” **UGC-NET**

**(3) Gaurav Luhadia** (RS/536/13/12527) Title of the thesis: Investigation on antifertility effects of *Tephrosea purpurea* root and fruit extract in male albino rats” **UGC-NET**

**(4) Guman Singh:** Title of the thesis: Evaluation of contraceptive efficacy of *Martynia annua* and *Putranjiva roxburghii* fruits extracts in adult male albino rats (UGC-NET-JRF)

**(5) Devendra Kumar:** Title of the thesis: Antimicrobial and antioxidant activities of silver nanoparticles synthesized from *Croton bonplandianum* and *Verbesina encelioides* MPAT-2014,UEP