

12.1 2007 (Peer Reviewed Journals)

1. Balasinor N, Bhan A, Paradkar N, Shaikh A, Nandedkar T, Bhutani K K and Roy Chaudhury M. Post natal development and reproductive performance of F1 progeny exposed in-utero to an ayurvedic contraceptive: Pippaliyadi yoga.
J Ethnopharmacol 109: 406-411, 2007. (IF: 2.049)
2. Bhattacharya S, Chatterjee S, Bauri A, Bandivdekar AH, Chattopadhyay S, Bandyopadhyay S and Poduval TB. Immunopharmacological basis of the healing of indomethacin-induced gastric mucosal damage in rats by the constituents of *Phyllanthus emblica*.
Curr Sci 93: 47-53, 2007. (IF: NA)
3. Chatterjee S, Modi DN, Maitra A, Kadam S, Patel ZM, Gokral JS and Meherji PK. Screening for FOXL2 gene mutations in women with premature ovarian failure: an Indian experience.
RBM Online 15: 555-560, 2007. (IF: 3.2)
4. Desai MP, Khatkhatay MI, Bhanu Prakash KV, Savardekar LS, Shah RS, Ansari Z. Hormonal profiles and biochemical indices of bone turnover in Indian women.
Osteopor Intl 18: 923-929, 2007. (IF: 4.6)
5. Desai MP, Bhanu Prakash KV, Khatkhatay MI, Donde UM. Age related changes in bone turnover markers and ovarian hormones in premenopausal and postmenopausal Indian women
J Clin Lab Anal 21: 55-60, 2007. (IF: 2.1)
6. Ghosalkar JD, Dharma SJ, Nandedkar TD and Mahale SD. Identification of the region 285-309 of follicle stimulating hormone receptor as a bionutralizing epitope.
J Reprod Immunol 74: 24-33, 2007. (IF: 3.011)
7. Ghule M, Donta B and Joshi B. Attitude towards sexuality among rural college youth in Maharashtra.
J Sexual Cult 11: 1-17, 2007. (IF: NA)
8. Godbole GB, Modi DN and Puri CP. Regulation of homeobox A10 expression in the primate endometrium by progesterone and embryonic stimuli.
Reproduction 134: 513-523, 2007. (IF: 2.958)
9. Jagtap DD, Narahari A, Swamy MJ, Mahale SD. Disulphide bond reduction and S-carboxamidomethylation of PSP94 affects its conformation but not the ability to bind immunoglobulin.
Biochim Biophys Acta 1774: 723-731, 2007. (IF: 3.078)
10. Khobarekar BG, Vernekar VJ, Prabakaran E, Raghavan VP and Bandivdekar AH. Studies on the expression of 80-kDa human sperm antigen in rat testis and epididymis.
J Histochem Cytochem 55: 753-762, 2007. (IF: 2.7)
11. Kulkarni RN, Joshi B, Chauhan SL, Hazari KT, Chitlange, SM. Training of service providers on emergency contraception: Experiences in Mumbai.
Hlth Pop Pers Iss 30: 1-11, 2007. (IF: NA)
12. Kulkarni RN, Chauhan SL, Shah B, Menon G, Puri CP. Investigating causes of perinatal mortality by verbal autopsy in Maharashtra, India.
Indian J Comm Med 32: 259-263, 2007. (IF: NA)
13. Kulkarni-Chitnis S and Nandedkar TD. Effect of octapeptide: FSH binding inhibitor on cyclicity of bonnet monkeys (*Macaca radiata*)
Contraception 76: 467-473, 2007. (IF: 1.488)
14. Mangale SS and Reddy KVR. Expression pattern of Integrins and their ligands in mouse fetomaternal tissues during pregnancy.
Reprod Fertil Dev 19: 452-460, 2007. (IF: 2.805)

15. Navalakhe RM and Nandedkar TD: Application of nanotechnology in biomedicine. *Indian J Exptl Biol* 45:160-165, 2007. (IF: NA)
16. Patel ZM and Menon SR. Preimplantation genetic diagnosis – Current and emerging trends. *J Genet Screen Hlth* 2: 3-8, 2007. (IF: NA)
17. Patel ZM and Menon SR. A simple test for diagnosis of Fragile X Syndrome by analysis of expression of FMRP in blood smear an ideal choice for screening Indian population. *J Genet Screen Hlth* 2: 14-18, 2007. (IF: NA)
18. Patel ZM, Adhia RA, D'Souza AK and Babu S. Diaphragmatic hernia with hydrocephalus associated with fetal nonmosaic Trisomy 9. *J Genet Screen Hlth* 2: 5-7, 2007. (IF: NA)
9. Pathak S and Balasinor N. Epigenetic routes to haploidy in the male germ line. *Proc Natl Acad Sci, India, Sec B- Bio Sc*, 77 B, Spl Iss, 91-104, 2007. (IF: NA)
20. Pires, ES, Meherji PK, Vaidya RR, Parikh FR, Ghosalkar MN, Khole VV. Specific and sensitive immunoassays detect multiple anti-ovarian antibodies in women with infertility. *J Histochem Cytochem* 55: 1181-90, 2007. (IF: 2.7)
21. Prabakaran E, Bandivdekar AH, Dighe V and Raghavan VP. HOXBES2: A Novel epididymal HOXB2 homeoprotein and its domain-specific association with spermatozoa. *Biol Reprod* 76: 314-326, 2007. (IF: 3.498)
22. Prabakaran E, Hegde UC, Moodbidri SB, Bandivdekar AH, and Raghavan VP. Postnatal expression and androgen regulation of HOXBES2 homeoprotein in rat epididymis. *J Androl* 28: 755-771, 2007. (IF: 2.3)
23. Shirwalkar H, Modi DN and Maitra A. Exposure of adult rats to estradiol valerate induces ovarian cyst with early senescence of follicles. *Mol Cell Endocrinol* 272: 22-37, 2007. (IF: 2.87)
24. Wadia PR, Mahale SD, Nandedkar TD. Effect of the human follicle-stimulating hormone-binding inhibitor and its N-terminal fragment on follicle-stimulating hormone induced progesterone secretion by granulosa cells in vitro. *JBiosci* 32: 1185-1194, 2007. (IF: 0.686)
25. Wakle M and Khole V. A Sperm cytoskeletal protein TSA70 is a novel phosphorylated member of Cenexin/odf2 family. *Biochem Biophys Res Comm* 354: 528-534, 2007. (IF: 2.749)
- 12.2 Papers in Proceedings of Conferences
1. Balaiah D, Naik DD, Nair S, Iddya U and Bandivdekar A. Couples' knowledge, perceptions and practices of reproductive health issues in urban slums of Mumbai, *In: Recent Advances and Challenges in Reproductive Health Research (Eds) Sharma RS, Rajanna A, Rajalakshmi M, ICMR, New Delhi, pp 473-486, 2008.*
 2. Reddy KVR, Aranha CC and Gupta SM. Evaluation of Nisin gel formulation for the prevention of STIs/HIV. *In: Recent advances and challenges in Reproductive Health Research (Eds) Sharma RS, Rajanna A and Rajalakshmi M, ICMR, New Delhi, India, pp 173-193, 2008.*
 3. Kerkar S, Vartak A, Vallabhadas A, Mania-Pramanik J. Prevalence of Human Papillomavirus (HPV) and other STIs/RTIs among pregnant women in rural Maharashtra. *In: Recent advances and challenges in Reproductive Health Research (Eds) Sharma RS, Rajanna A and Rajalakshmi M, ICMR, New Delhi, India, pp 175, 2008.*
 4. Vallabhadas A, Kerkar S, Mehta PB, Salvi V, Mania-Pramanik J. Immunity in individual with Recurrent Spontaneous Abortion with or without Chlamydia trachomatis infection. *In: Recent advances and challenges in Reproductive Health Research (Eds) Sharma*

RS, Rajanna A and Rajalakshmi M, ICMR, New Delhi, India, pp 174, 2008.

12.3 Guidelines/ Manuals/ IEC Material

1. Chauhan SL, Joshi B, Kulkarni R, Hazari K, Manjramkar R. National Guidelines on Prevention, Management and Control of Reproductive Tract Infections including Sexually Transmitted Infections, 2007, National Aids Control Organisation, Ministry of Health and Family Welfare, 2007.
2. Chauhan SL, Kulkarni R, Joshi B, Mania J, Wagh R. Training Material on RTI/STI services in the Primary Health Care Functionaries, Ministry of Health and Family Welfare.
3. Chauhan SL, Kulkarni R, Joshi B. Facilitators/ Guide
 - a. Training of Medical Officers to deliver RTI/STI services in the Primary Health Care System (14 modules).
 - b. Training of ANMs to deliver RTI/STI services in the Primary Health Care System (8 modules).
 - c. Training of Laboratory Technicians to deliver RTI/STI services in the Primary Health Care System (4 modules).
4. Chauhan SL, Kulkarni R, Joshi B. Trainee Participant's Hand-outs
 - a. Medical Officers to deliver RTI/STI services in the Primary Health Care System.
 - b. ANMs to deliver RTI/STI services in the Primary Health Care System.
 - c. Laboratory Technicians to deliver RTI/STI services in the Primary Health Care System.
5. Chauhan SL, Kulkarni R, Joshi B. Syndrome specific job-aid cards for Counselling on RTIs/STIs.
6. Chauhan SL, Kulkarni R, Joshi B. Standardized uniform PowerPoint slides for training (214 slides).
7. Kulkarni R, Joshi B, Chauhan SL. Posters(24) each in English, Hindi and Marathi have been developed on the

priority Adolescent issues such as dual protection, sexual abuse, peer pressure, teenage pregnancy, role of parents, RTIs/STIs etc.

8. Chauhan SL, Kulkarni R, Joshi B. Pamphlets (13) each in English, hindi and Marathi have been developed on issues such as growth and development during adolescence, dual protection, pregnancy and Contraception and pre-marital counselling, sexuality education, mental health problem during adolescence etc.
 9. Chauhan SL, Kulkarni R, Joshi B. Adolescent Health Card has been developed for Service providers for documenting health record of the clients in health facility and Clients which contains health messages and basic identification data along with height, weight and medical illness if any.
- ### 12.4 Papers Presented at Conferences and Symposia International
1. American Society of Andrology: XIX North American Testes Workshop, Tampa, Florida (USA), April 18-21, 2007.
Abid S, Modi D, Maitra A and Gokral J: Progesterone and male infertility: Loss of progesterone receptors (PR) in germ cells of men with aberrant spermatogenesis.
 2. 32nd Annual Conference of American Society of Andrology, Tampa, Florida, USA, April 21-24, 2007.
Gokral J, Abid S, Meherji P, Patel Z, Baburao V, Shah J, Shah R, Kulkarni V, Kadam S, Vanage G and Maitra A: Idiopathic Male Infertility: Clinical and Molecular Profile.
 3. 6th Gordon Research Conference on Antimicrobial Peptides, Lucca, Barga, Italy, April 4 – May 29, 2007.
Gupta SM, Aranha CC and Reddy KVR: Nisin: The dynamic antimicrobial peptide for the prevention of STIs/HIV and unintended pregnancies.
Yedery RD, Aranha CC, Muraly K Rambabu and Reddy KVR: Identification and characterization of SSP14, a cationic protein demonstrating antibacterial activity from the

- hemocytes of Indian mud crab, *Scylla Serrata*.
4. 4th Indo-Australian Biotechnology Symposium and International Conference on Genes and Environment in Human Diseases, Brisbane, Australia, May 7-9, 2007.
Gajbhiye RK, Suryawanshi AR, Khan SA, Meherji PK, Warty NR, Raut VS, Chehna NA and Khole VV: Multiple Endometrial Proteins are targeted in Autoimmune Endometriosis.
 5. 5th Annual Meeting of International Society for Stem Cell Research, Cairns, Queensland, Australia, June 17- 20, 2007.
Bhartiya D, Kumar N, Sadhana D, Mangoli V, Nagvenkar P, Shashank T, Hinduja I, Padgaonkar S And Puri C. Derivation of Human Embryonic Stem Cell Lines on Human Feeders – Our Experience.
 6. International Conference on Immune-Mediated Diseases: From Theory to Therapy. Moscow, Russia September 10-14, 2007.
Mania-Pramanik J, Kerkar S, Vallabhadas A, Mehta P B, Salvi V. Immune mediated manifestation of recurrent spontaneous abortion.
 7. Future of Male Contraception held at Seattle, Washington, September 27-28, 2007.
Khole VV, Khan S, Suryawanshi A: Immunoproteomics approach for identification of domain specific epididymal proteins.
 8. 57th Annual Meeting of the American Society of Human Genetics, San Diego, California, USA, October 23 – 27, 2007.
Dubey S, Rao S, Saravanan C and Maitra A. Steroid 21-Hydroxylase gene analysis in a cohort of Indian patients with classical Congenital Adrenal Hyperplasia.
Maitra A, Pusalkar MK, Gokral JS, Saravanan C and Meherji PK: Augmented androgen production in Polycystic Ovary Syndrome: Genetic Assessment in an Indian cohort.
 9. 47th Annual Meeting of the American Society for Cell Biology, Washington, DC, December 1-5, 2007.
D'Souza R, Sonawane S and Balasinor N: Characterization of molecular events in spermiation: role of Sertoli cell cytoskeleton.
 10. 72nd Annual Conference of the Florida Academy of Science and the 85th Annual Conference of the Georgia Academy of Science, Jacksonville, Florida, March 14-15, 2008.
Mania-Pramanik J, Kerkar S, Mehta P, Salvi VS: Association of host Immunogenetics and sexually transmitted infection on reproductive health.
National
 1. DST-ICMR-WHO Workshop on Reproductive and Genetic Toxicology, National Institute for Research in Reproductive Health, Mumbai, March 26 - April 10, 2007
Khatkhatay MI: Immunoassays for Reproductive Healthcare.
 2. The International Workshop on Methodologies for Estimating Obstetric Fistula, UNFPA, National Institute of Medical Statistics, New Delhi, April 30– May 2, 2007.
Chauhan SL: Chronic Obstetric Morbidities in Nasik District, Maharashtra, (Methodology and Findings).
Kulkarni RN: Experiences in Environmental Building for Data Collection in Community Based Studies
 3. International Symposium on Chromosome to Genome, Hyderabad, India, July 1-4, 2007
Pathak S, Kedia-Mokashi N, Saxena M, D'Souza R, Gill-Sharma M and Balasinor N: Hypomethylation at *Insulin-like growth factor2- H19 Imprinting control region* as a predictive factor for embryo loss in rats.
 4. International Conference on Youth and Democracy in South Asia, Center for Youth Development and Activities, Pune, August 11-15, 2007.

- Ghule M and Donta B: Sexual behaviour of rural college youth in Maharashtra.
5. 41st English Follow-up Workshop of community Health and Development Trainer's Training Programme, RMRCT, Jabalpur, September 10-14, 2007.
Minde N: Consistent use of condoms among concordant and discordant HIV infected couples/persons.
 6. International Conference on Toxicology, Society of Toxicology (STOX), Bangalore, October 6-7, 2007.
Salian S, Padwal V and Vanage G: Neonatal Exposure of Endocrine Disrupter, Bisphenol A in Rats: Effect On Steroid Receptor Expression Pattern in the Testis during Development (The STOX Gold Medal (Roop Lal Aggarawal memorial young scientist award) for Best oral presentation)
Tiwari D, Chilgunde S, Kamble J, Padwal, Patil P, and Vanage G: Genotoxic Potential of BPA in rats using Micronucleus and Chromosomal Aberration test.
 7. 4th Asia Pacific Conference on Reproductive and Sexual Health Rights, Hyderabad, October 29-31, 2007.
Joshi B: Scaling up Adolescent Health interventions through public health infrastructure.
Kulkarni RN, Chauhan S L, Agarwal D: Methodological Issues in a Community Based Study on Chronic Obstetric Morbidities in a District in India.
 8. Workshop to Develop India-specific Action Plan to Implement Strategies for Linking Sexual and Reproductive Health and HIV/AIDS Programmes, NIRRH, UNDP-UNPA-WHO-World Bank and ISSRF, Mumbai, 20-22 November, 2007.
Chauhan SL: Capacity building of Health Care Providers for RTI/STI management in RCH 2 and NACP 3
Ghule MD and Balaiah D: Impact of interventions on knowledge about sexual and reproductive health among rural college youth in Maharashtra, India.
 9. DBT-National Workshop on Human Infertility and Reproductive Disorders. Indian Institute of Science, Bangalore, November 29-30, 2007
Khatkhatay MI: Menopause-Osteoporosis.
Khole V: Ovarian autoimmunity in POF and IVF-ET patients.
Maitra A: Polycystic ovary syndrome: current status and future perspectives.
 10. DAE-BRNS Life Science Symposium at Bhabha Atomic Research Center Mumbai, December 5-7, 2007.
Tiwari D, Chilgunde S, Kamble J, Padwal V, Patil P and Vanage GR Genotoxic Potential of an Endocrine Disruptor Bisphenol A.
 11. ICMR Symposium on Reverse Pharmacology at Medical Research Centre, Kasturba Health Society, Mumbai, December 8-9, 2007.
Khole VV: Ethics in Basic Biomedical Research.
 12. Review meeting of RTI/STI services, National Aids Control Organization, Pune, December 27-28, 2007.
Joshi B: Overview of Training Plan on STI/RTI service providers
 13. Indo-French Conference on RNAi in Genome Control, Centre for Cellular and Molecular Biology (CCMB), Hyderabad, December 12-14, 2007.
Sikarwar AP and Reddy KVR: Specific silencing of c-kit gene expression by small interfering RNA in mouse spermatogonial cells *in vitro*.
 14. 34th Indian Immunology Society Annual Conference, National Aids Research Institute, Pune, December 16-18, 2007.

- Gupta TM and Mahajan L: Surfactant protein-D induces apoptosis in activated eosinophils and resolves eosinophilic inflammation.
15. Graduate Student's Meet-2007, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Mumbai, December, 30-31, 2007.
Pathak S: DNA methylation at Insulin-like growth factor 2-H19 imprinting control region in spermatozoa as a predictive factor of embryo loss in rats and its association with estrogen signaling.
 16. Workshop on Reproductive and Sexual Health of Adolescents in Maharashtra, Govt. of Maharashtra and IHMP, Pune, January 4-5, 2008.
Joshi B: Experiences in delivery of Adolescent Reproductive Health Services in Maharashtra.
 16. International Conference on Molecular Aspects of Gonadal and non-Gonadal Actions of Gonadotropins, New Delhi, February 7-9, 2008.
Mahale SD: Structural and functional determinants in the extracellular of FSH receptor.
 17. XXXIII Annual Conference of the ISHG and International Symposium on Genetics Revisited: The Genomics and Proteomics Advantage, Vishakhapatnam, February 11-13, 2008.
Chavan S, Maitra A, Patwardhan S, Roy N, Kumar M and Chavan PR: Single nucleotide polymorphism in prostate specific antigen (PSA) gene and its association with risk of prostate cancer: A preliminary report.
Maitra A, Pusalkar MK, Sarkar C, Gokral JS, Saravanan C and Meherji PK: Polycystic Ovary Syndrome: An assessment of the genetic basis and molecular pathophysiology by candidate gene and "in silico" approaches.
Mukherjee S, Khavle S, Shinde G, Meherji PK, Shah N, Menon P and Maitra A: C/T Polymorphism at His 1058 of Insulin receptor gene is associated with PCOS: Study in an Indian population.
 18. National Symposium on Recent trends in Reproductive Health Research, 18th Annual Meeting of Indian Society for the Study of Reproduction and Fertility, Hyderabad, February 20-22, 2008.
Achrekar SK, Ghosalkar JD, Mahale SD: Hinge region of follicle stimulating hormone receptor is involved in hormone action. (*Best poster award*)
Gokral JS, Maitra A, Patel Z, Meherji PK, Abid S, Shah R, Kulkarni V, Shah J, Kadam S, Baburao Y: Chromosome deletions in Severe Male Infertility, Gene and Protein Expression in aberrant spermatogenesis and a Preliminary report on Osteoporosis in this group of infertile males.
Jagtap DD, Idicula ST, Anwaruddin M and Mahale SD: Molecular interaction of PSP94 with human IgG.
Mahale SD: Polymorphism in FSH receptor gene and altered ovarian response.
Kerkar S, Vartak A, Vallabhadas A, Mania-Pramanik J: Prevalence of Human Papillomavirus (HPV) and other STIs/RTIs among pregnant women in rural Maharashtra.
Khole VV and Wakle M: TSA70: a moonlighting paralogue of ODF2/Cenexin on sperm.
Kadam S, Gokral JS and Meherji PK: Correlation of serum leptin levels with insulin resistance in women with polycystic ovarian syndrome (PCOS).
Kumar N, Nagvenkar P, Pillai L, Hinduja I, Zaveri K and Bhartiya D: Derivation of Human Embryonic Stem Cell Lines on Human Feeders in India.
Nandedkar PV, Patwardhan AM, Chohan P and Bhartiya D: Use of Abattoir Material to Establish Sophisticated Techniques of Assisted Reproductive Technologies, Parthenogenesis and Somatic Cell Nuclear Transfer (SCNT).
Unni S, Telang J, Dhabalia J and Bhartiya D:

Localisation and Expression of the *C-Kit* Receptor and its Ligand, SCF in the Human Testis.

Vanage G R: Evaluation of Reproductive and Genotoxicity of an environmental estrogen Bisphenol A.

Vallabhadas A, Kerkar S, Mehta PB, Salvi V, Mania-Pramanik J: Immunity in individual with Recurrent Spontaneous Abortion with or without Chlamydia trachomatis infection.

19. Recent trends in Reproductive Health Research, Department of Obstetrics and Gynecology, Owaisi Hospital and Research Centre, Deccan College of Medical Sciences in association with Centre for Cellular and Molecular Biology (CCMB), Family Welfare, Government of India, Hyderabad, February 21, 2008.

Balaiah D: Enhancing participation of men in reproductive health

Balaiah D: Strategies to encourage contraceptive acceptance among couples: Findings from an intervention study in urban slums of Mumbai, India.

20. National symposium on An Update of Male Reproduction and Infertility, Central Drug Research Institute, Lucknow, March 13-14, 2008 Gokral JS, Maitra A, Patel Z, Meherji PK, Khatkhatay MI, Abid S, Shah R, Kulkarni

V, Shah J, Kadam S, Baburao: Idiopathic Male Infertility: Study of Genetic, Hormonal Profile and Bone Turnover Markers

Khole VV, Khan S, Suryawanshi A: Novel High Throughput Combinatorial Approach for Identification of Immunodominant Domain Specific Epididymal Sperm Proteins

Vanage GR: Exposure of Endocrine Disrupter, Bisphenol A in Neonatal Rats: Effect on Reproduction and Steroid Receptor Expression Pattern at the Testicular Level.

21. HIV CONGRESS 2008, International AIDS Society (IAS), ASHM, AIDS Society of India and Infectious Diseases Society of India, Mumbai March 21-23, 2008.

Jadhav SK: Analysis of HIV Variants in blood and semen by Heteroduplex mobility assay (*Best Poster Presentation*).

22. MIROBICIDES 2008 Striving towards HIV Prevention 23-27th February 2008 New Delhi, India.

Gupta TM, Aranha C, Gupta SM, Patgaonkar M, Reddy KVR: Antimicrobial Peptide, Nisin, Enhances Human Monocyte Mediated Defense against *S. Aureus* and *E. Coli*,

23. Workshop on Adolescent Reproductive and Sexual Health, ARSH-IEC, UNICEF and State Family Welfare Bureau, Pune, March 26-27, 2008.

Kulkarni R: Development of IEC material for ARSH