12 PUBLICATIONS

12.1 Publications 2006 (Peer Reviewed Journals)

Peer reviewed journals


*NA: Not available*

### 12.2 Papers in Proceedings of Conferences


### 12.3 Papers Presented at Conferences and Symposia

#### International

1. **Microbicides 2006, Cape Town, South Africa, April 23-26, 2006.**

   Aranha CC, Gupta SM and Reddy KVR: Nisin. The Antimicrobial peptide for the control of fertility and sexually transmitted infections.

   Gupta SM, Aranha CC and Reddy KVR. Membrane permeability and morphological perturbations induced by nisin.

2. **Ninth Annual Symposium on Frontiers in Reproduction, Marine Biology Laboratory, Woods Hole, MA, USA, June 15-17, 2006.**

   Mahale SD. Structural and Functional Determinants of FSHR Extracellular Domain.

3. **14th International Symposium on HIV and Emerging Infection Diseases, Toulon, France, June 21-23, 2006.**

   Bandivdekar AH, Velhal SM and Raghavan VP. CD4 independent transmission of HIV.

4. **International Conference on Toxicology, Toxicogenomics and Occupational Health, The Society of Toxicology (India), Gwalior, October 9-11, 2006.**

   Vanage GR, Salian S, Padwal V and Balasinor S. Effect of exposure of endocrine disrupter, Bisphenol A in neonatal rats on reproduction.


   Achrekar SK, Mangoli V, Desai S and Mahale SD. Association between the human follicle stimulating hormone receptor and the different responses to ovarian stimulation in IVF-ICSI programme.

Chatterjee S, Maitra A, Kadam SS, Gokral JS, Patel ZM and Meherji PK. Inhibin alpha gene mutations in Indian women with premature ovarian failure.

Desai M, Bhanu Prakash KV, Bandivdekar and Khatkhatay MI. Bone Gla protein (BGP): Extraction, isolation, purification and development of an In-house assay.

Dighe V and Mahale SD. Studies on rat β-microseminoprotein. Molecular and *in silico* approach.


Ghosalkar J and Mahale SD. Immunobiology of peptides 9-30 and 285-309 from the extracellular domain of follicle stimulating hormone receptor.

Godbole G and Modi DN. Regulation of HOXA10 expression in response to progesterone and embryonic stimuli in primate endometrium.

Jagtap DD, Narahari A, Swamy MJ and Mahale SD. Significance of disulphide bonds in maintaining the conformation of PSP94.

Khatkhatay MI, Desai MP, Mitra S and Ahuja M. Variations in estrogen receptor and vitamin D receptor gene polymorphism in postmenopausal women of different ethnicity.

Khobarekar BG, Vernekar VJ, D'Souza SJ, Raghavan VP and Bandivdekar AH. Studies on the localization and expression of 80 kDa Human Sperm Antigen (80 kDa HSA)

Khole V. Application of proteomics in reproductive health research.

Mahale SD. Follicle stimulating hormone receptor: Molecular dissection of its extracellular domain.

Mania-Pramanik J, Kerkar S, Mehta PB and Salvi V. Host immunogenetics and its association with sexually transmitted infections.


Pires ES and Khole V. Specificity and immunochemical properties of an autoantibody directed to an immunodominant 90kDa protein in the sera of patients with autoimmune premature ovarian failure (AI-POF) and invitro fertilization-embryo transfer (IVF-ET) failed cases.


Pusalkar M, Meherji PK, Gokral JS, Saravanan C and Maitra A. A Study of Leptin as a correlate of Polycystic Ovary Syndrome and associated obesity.


Singh N, Golani A, Patel Z, Kanojia J and Maitra A. Association of NAT2 genotype with transfer pattern of Isoniazid from circulation to breast milk in lactating women on therapy. (Best Poster Award)


Wakle M and Khole V. Sperm specific conserved cytoskeletal protein TSA70 is a new member of ODF2/cenexin family.
6. **Annual Meeting of American Society for Reproductive Medicine, New Orleans, Louisiana, USA, October 21-25, 2006.**

Khole V, Pires ES, Meherji PK: Multiple ovarian proteins are targeted in premature ovarian failure.

Parikh FR, Pires ES, Sawkar S, Uttamchandani SA, Ghosalkar M, Khole V: The presence of Anti Ovarian Antibodies (AOA) in women with poor reproductive outcome following IVF, in poor responders and those with premature ovarian failure.


7. **1st International Conference Issues on Tissues, Asia Pacific Association of Surgical Tissue Banks, Tata Memorial Hospital, Mumbai, November 24–26, 2006.**

Unni S, David A, Mukherjee S, Salvi V, Dhabalia J and Bhartiya D. Strategies for fertility conservation in individuals with gonadal insufficiency including cancer survivors. *(Best Poster Award)*

8. **National Symposium on Recent Trends in Life Sciences, Shri Pancham Khmeraj Mahavidhyala, Sawantwadi, Maharashtra, December 1-2, 2006.**

Khobarekar BG, Vernekar VJ, D'Souza SJ, Raghavan VP and Bandivdekar AH. Studies on the localization and expression of 80 kDa Human Sperm Antigen (80kDa HSA)


Naik DD, Balaiah D, Tapase P, Nair S and Bandivdekar A. Differentials in RTI/STIs knowledge of husbands and wives in urban slums of Mumbai, India.

Nair S. Husband’s abuse of wife during pregnancy: An insight from couples’ interviews in Mumbai, India.
10. **First International Meeting of Stem Cell Research Forum of India (SCRFI) Bangalore, January 29 - February 1, 2007.**

David A, Unni S, Sanghavi D and Bhartiya D. Stem cells in ovary are activated by VEGF treatment.


Kumar N, Modi D and Bhartiya D. Use of proteomics approach to identify factors secreted by mouse embryonic fibroblasts responsible for continued proliferation of human embryonic stem cells.

Nagvenkar P, Pirani Z, Nandedkar P and Bhartiya D. Development of somatic cell nuclear transfer technology to derive isogenic embryonic stem cell lines.

Nandedkar PV, Bhartiya D, Manjramkar DD, Metkari SM, Patwardhan AM, Bhonde RL and Puri CP. Embryonic stem cell program in non-human primates at NIRRH.

Tripathi S and Bhartiya D. Establishment of an *in vitro* differentiation system using human embryonic stem cells for developmental toxicity testing.

Unni S, Telang J, David A, Dhabalia J and Bhartiya D. Harvesting the potential of spermatogonial stem cells for fertility conservation.


Aranha CC, Gupta S and Reddy KVR. Evaluation of cervicovaginal toxicity in rabbits following exposure to Nisin gel (*Best Poster Award*).

Balaiah D, Naik DD, Nair S, Ramnath K and Reddy Y K. Involvement of Men in Prevention of STIs and HIV: Observations from an intervention study in urban slums of Mumbai, India.
Balaiah D. Integrating RTI/STI and HIV services with sexual and reproductive health through MCGM health posts: Challenges for service Providers.

Ghule M and Balaiah D. Impact of interventions on knowledge about STDs/HIV/AIDS among rural college youth in Maharashtra, India.

Gupta SM, Aranha CC, D'souza SJ, Bellare JR and Reddy KVR. Morphological perturbations and cell membrane permeability changes induced by Nisin.


Mali BN, Balaiah D, Naik DD, Ramnathan K and Rao MS. Awareness and attitude towards screening for cervical cancer among women from Mumbai, India.

Mali BN, Balaiah Donta and DD Naik. Awareness and Attitude towards Screening for Cervical Cancer among Women in Mumbai, India.


Minde N, Thosar C, and Chitlange S. Knowledge and attitudes of HIV discordant/concordant couples towards condom as a barrier for HIV prevention and contraception (Best Poster Award).

Naik DD, Balaiah D, Iddya U and Mehta SK. Differentials in HIV/AIDS knowledge of husbands and wives in urban slums of Mumbai: A couple study.

Naik DD, S Bhayekar, D Tondare, MS Rao and Balaiah Donta. An experience with reproductive health clinic for men in the management of RTI/STI.

Puri CP, Reddy KVR and Gupta T. Recent advances in the prevention of sexually transmitted infections including HIV/AIDS.
Reddy KVR, Aranha CC and Gupta SM. Development and evaluation of Nisin gel formulation for the prevention of STIs/HIV and unplanned pregnancies.

Yedery RD, Aranha CC, Kuracha MR and Reddy KVR. Identification and characterization of SSP12, a cationic protein demonstrating antibacterial activity from the hemocytes of Indian mud crab, Scylla serrata.


Dubey S, Rao SC, Patel Z, Saravanan C and Maitra A. Mutational spectrum in a cohort of Indian patients with Congenital Adrenal Hyperplasia caused due to deficiency of Steroid 21 - Hydroxylase enzyme.


Maitra A, Singh N, Golani A and Patel ZM. Genotyping for NAT 2 to assess pharmacokinetic pattern of anti tuberculosis drug Isoniazid and its transfer to breast milk in lactating women.

Mukherjee S, Khavale S, Shinde G, Meherji PK, Shah N, Menon P and Maitra A. Association of C/T single nucleotide polymorphism at His 1058 in exon 17 of insulin receptor gene in an Indian cohort group with PCOS.

13. **32nd Annual Conference of American Society of Andrology (Testis workshop) Tampa, Florida, USA, April 18-21, 2007**

National

1. Second Medical Development Congress. Indian Council of Medical Research, New Delhi, September 8-9, 2006.

   Bandivdekar AH. Sperm antigens for contraception.
   Khole V. Contraceptive research and development: Looking to the future.

   Modi DN. Microarray concepts and application.

4. 33rd Annual Conference of Association of Clinical Biochemists of India, Armed Forces Medical College, Pune, November 23-25, 2006
   Desai M. Postmenopausal bone loss: Role of cytokines and estrogen.
   Khatkhatay MI. Genetic and environmental factors contributing to bone health.

5. 55th Annual Conference of Association of Pathologists and Microbiologists of India, Bangalore, December 7-9, 2006.
   Mania-Pramanik J. Genital Chlamydia infection in Mumbai

   Adhia RA, Patel ZM, and Madon PF: Birth defect surveillance programme. (Best Poster Award)

Gokral J. Sexually transmitted infections in reproductive health.

Khatkhatay MI. A study of genetic factors contributing to bone health.

Mania-Pramanik J, Kerkar S, Mehta PB, and Salvi V. Association of host immunogenetic factors in infertility. (Dr Winifred Fernandes Best paper award).


Meherji PK. Premature ovarian failure: Reproductive health issues.

Menon SR, Patel ZM, D’Souza AK, Babu S, Adhia RA. Validity of Analysis of expression of FMRP in blood smears as a screening test for Fragile X syndrome in Indian population. (Best platform award)

Patel ZM, Meka A, Gawde HM, Menon SR, Adhia RA, D’souza AK, Babu S. Sperm aneuploidy in the male partners of the couples with Bad Obstetric History.


Bhartiya D. Derivation of human embryonic stem cell lines on human feeders.

Balaiah D, Naik DD, Nair S and Bandivdekar AH. Enhancing participation of men in reproductive health: An intervention study in urban slums in Mumbai, India.

Chitlange S, Hazari KT, Savardekar L, Balaiah D, Tapase P, and Puri CP. Injectable contraceptive an acceptable option: perceptions of women across India.


Joshi B. Challenges in delivery of adolescent reproductive health services through public health infrastructure.

Kerkar S, Salvi V, and Mania-Pramanik J. Type specific HPV strains in cytologically normal women attending Gynaecology OPD.

Khole V. Ovarian autoimmunity: antigenic targets and diagnostic significance.

Kulkarni RN, Joshi BN, Chauhan SL, Hazari KT, Chitlange SM, and Puri CP. Operationalizing emergency contraceptive services through urban public health system in Mumbai.

Mahale SD. Follicle Stimulating Hormone Receptor: Significance of hinge region in receptor function

Mania-Pramanik J, Kerkar S, Mehta PB, and Salvi V. Development of diagnostic and its use to study the prevalence and associated sequelae of reproductive tract infections.

Meherji PK, Kadam S, Khatkhatay MI and Desai MD. Assessing bone health in women with premature ovarian failure.

Reddy KVR. Development and evaluation of Nisin gel formulation for the prevention of STIs/HIV and unplanned pregnancies.


Khole V. Monoclonal antibodies: Tools for identification and characterization of novel sperm proteins with role in fertilization.
9. **Foundation Day of Regional Medical Research Center, Jabalpur, March 1, 2007.**
   
   Vanage GR. Environmental Toxicants and Reproductive Health: Are Human Affected?

10. **XXXII Annual Conference of Indian Society of Human Genetics, Kolkata, 12-14th March 2007.**
   

11. **University Institute of Chemical Technology, AAIPS – Dr R S Bauchwal Pharmaceuticals Seminar, March 13, 2007.**
   
   Khole V. Immunological consequences of therapeutic proteins.

12. **National Workshop on Recent trends in Biotechnology, L.B.S. College, Satara, March 29, 2007.**
   
   Khole V. Monoclonal antibodies: Protection and applications.