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**HIGHEST DEGREE:** *Ph. D. (2009), C.S.J.M. Kanpur (Formerly Kanpur University)*

**POST GRADUATION:** *M. Sc. (2004), C.S.J.M. Kanpur (Formerly Kanpur University)*

**AREA OF RESEARCH:** Reproductive Endocrinology & Circadian Rhythms

**PUBLICATIONS:**

**Full length papers:**

1. **Himanshu Dixit** and S. D. Pandey (2007): Pheromonal cue and oestrus suppression in field mice: synergistic role of physical contact. *J. Adv. Zool.* 28(1): 39- 48.
2. **H. Dixit** and S. D. Pandey (2007): Prepuberal administration of a nonsteroidal antiandrogen and production of the oestrus inducing pheromones in Indian field mice. *Biochem. Cell. Arch.* 7(2): 265-269.
3. S. D. Pandey and **H. Dixit** (2008): Evaluation of involvement of main olfactory system in mediation of the oestrus-suppressing pheromone in Indian field mice. *MusboodugaGray. J. Exp. Zool. India* 11(1): 117-119.
4. Pandey S. D. and **Himanshu Dixit** (2008): Male-induced oestrus synchrony in Indian field mice. *Ind. J. Comp. Anim. Physiol.* 26(1): 7-10.
5. **Himanshu Dixit** and S. D. Pandey (2008): Source of female primer pheromone responsible for oestrus suppression in Indian field mice. *J. Adv. Zool.* 29(1): 19- 22.

6. **Himanshu Dixit** and S. D. Pandey (2009): Seasonal patterns in release of chemosignals influences oestrus rhythmicity in field mice. *Flora and Fauna*. 15(1): 293-296.

**Abstract of papers published in different symposia/ Conferences/ Seminars:**

1. Environmental toxicity caused by application of chemical pesticides and a search for eco-friendly pesticide. Himanshu Dixit and S. D. Pandey. National Seminar on Environmental Science and Engineering. Brahmavart PG College Mandhana, Kanpur. January 23, 2009.
2. Male induced onset of puberty in prepuberal female wild mice: Hormonal control and source of the chemosignals. S. D. Pandey and Himanshu Dixit. Symposium on recent trends in reproductive health research. CCMB Hyderabad. February 20-22, 2008. pp. 171.
3. Chemical signals: The language of animals. Himanshu Dixit and S. D. Pandey. 32<sup>nd</sup> Conference of the Ethological Society & National symposium on fish behaviour. CIFE Mumbai. October 16-17, 2008. pp. 21
4. Effect of prepuberal administration of an antiandrogen on production of the chemosignal inducing oestrus in field mice. H Dixit and S. D. Pandey. 78<sup>th</sup> NASI India, Punjab University, Chandigarh. November 21-23, 2008. pp. 27.
5. Mediation of olfactory cues causing oestrus suppression in mice. S. D. Pandey and H. Dixit. 78<sup>th</sup> NASI India, Punjab University, Chandigarh. November 21-23, 2008. pp. 27.
6. Role of photic and thermal stimuli on production/release of oestrus-suppressing and oestrus-inducing chemosignals in Indian field mice. S D. Pandey and Himanshu Dixit. 4<sup>th</sup> Asia Oceania Conference on Photobiology. BHU Varanasi. November 24-26, 2008. pp. 151.
7. Effect of different photoperiods and temperature on release of the oestrus-inducing chemosignal in Indian field mice. Himanshu Dixit and S. D. Pandey. XX National Symposium on Chronobiology. Pt Ravi Shanker Shukla University, Raipur. December 27-29, 2008. pp. 19.
8. Social influences on oestrous rhythmicity of Indian field mice. Pandey S. D. and Dixit Himanshu. XXV SRBCE, Thiruvananthapuram. January, 15-17, 2007. pp. 80.
9. Role of olfactory signals on oestrous cyclicity of Indian field mice. Pandey S. D. and Dixit H. National Symposium on An update of Reproductive Endocrinology: Novel and Applied Strategies. BHU Varanasi. February, 26-28, 2007. pp. 61.
10. Effect of an artificial scent on response of the oestrus-inducing pheromone in Indian field mice. H. Dixit and S. D. Pandey. National Symposium on Comparative Endocrinology and Reproductive Physiology: Insight and Challenges. Viswa Bharti Santiniketan. November 26-28, 2007. pp. 28.
11. Mechanism of perception of the oestrus-suppressing pheromone in *Mus booduga* Gray. S. D. Pandey and Himanshu Dixit. NASI India, CFTRI, Mysore. December, 6-8, 2007. pp. 34.

12. Effect of prepuberal treatment with flutamide on production of oestrus inducing pheromone. Himanshu Dixit and S. D. Pandey. NASI India, CFTRI, Mysore. December, 6-8, 2007. pp 35.
13. Seasonal responsiveness of primer pheromones in Indian field mice. Himanshu Dixit and S. D. Pandey. XIX National Symposium on Chronobiology. Madurai Kamraj University, Madurai. Tamil Nadu. December 7-9, 2007. pp. 60.
14. Augmentation of estrus in noncyclic females following introduction to adult intact males in the Indian field mice. Himanshu Dixit and S. D. Pandey. Symposium on Frontiers in Reproduction: Concepts and Applications in Genomic Era. ISSRF, NDRI, Karnal. Haryana. February 23-25, 2006. pp. 104.
15. Source of female primer pheromone responsible for oestrus suppression in Indian field mice.. S. D. Pandey and Himanshu Dixit. NASI India, IIT Bombay. October, 6-8, 2006. pp 58.
16. Oestrus block in Indian field mice housed at different cage densities: Influence of photoperiod and temperature. Himanshu Dixit and S. D. Pandey. XVIII National Symposium on Chronobiology. NEHU Shilong. November, 8-10, 2006. pp 36.
17. Evaluation of oestrus cyclicity in the Indian field mouse, *Musbooduga* Gray in proximity of adult male. Himanshu Dixit and S. D. Pandey. International Conference on Male Reproduction and Infertility. IISc Bangalore, September 16-18. 2005. pp 86.

**Chapter in book (s):**

Effect of anosmia in perception of the male-originating primer pheromones involved in oestrus-induction (the Whitten effect) in *Musbooduga* Gray. **In: Perspectives in Animal Ecology and Reproduction**, (Eds. V. K. Gupta; A.K. Verma and G. D. Singh). Daya Publishing House New Delhi. Vol. 6: 454-462.

**SEMINARS AND CONFERENCES ORGANISED: None**

**AWARDS & RECOGNITIONS:**

**Young Scientist Award, 2009.** (Gold Medal). At 2<sup>nd</sup> ICBMSL (International Conference on Bio-Wealth Management for Sustainable Livelihood), Ranchi, Jharkhand.

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