



PROFILE

Award Winning Accomplished and highly published Professor with years of major contribution in Veterinary Science & Animal Husbandry, Physiology and Biochemistry. Proven history of guiding and leading research studies and programs in Reproductive Physiology, Endocrinology, Stem cells, and cancer biomarkers all the way through technical writing and publications in national as well as international journals.

Expertise Includes reproduction and diagnostics. Pragmatic strategist able to define research programs to meet organizational strategic priorities, planning and approval of documentation and see them go through. Sought after public speaker who successfully articulates complex ideas to diverse audiences in international forums.

CONTACT

PHONE:
9821097256

WEBSITE:
<https://mvc.ac.in/faculty/veterinary-physiology-and-biochemistry/dr-s-d-ingole/>

EMAIL:
sdingole@mvc.ac.in
ingolshailesh@gmail.com

DR. SHAILESH INGOLE

P r o f e s s o r

Dept of Veterinary Physiology

Mumbai Veterinary College

EDUCATION

Bombay Veterinary College, Konkan Krishi Vidyapeeth

BVSc. & A.H (1991 – 1995)

Completed All required courses with over 7.5 GPA

Bombay Veterinary College, Konkan Krishi Vidyapeeth

MVSc (1995 – 1997)

Masters within field Physiology & Biochemistry GPA 8.2

Bombay Veterinary College, MAFSU, Nagpur

Ph.D. (2010)

Doctorate in the field of Veterinary Physiology GPA 8.27

Welingkars Institute of Management and Research, Mumbai

(1997 – 1998)

Marketing Management Diploma

WORK EXPERIENCE

Bombay Veterinary College – Professor [2011- Present]

Associate Professor [2004- 2010]

Assistant Professor [1999- 2003]

Guided MVSc students (9) as well as Ph.D. students (3). Teaching and research in various fields of Reproductive Physiology, Endocrinology, Stem Cell, and Cancer.

PROJECTS

- Evaluation of stem cell therapy on ovaries of anestrus buffaloes.
- Pregnancy associated protein and progesterone concentrations during early pregnancy in Sirohi goats
- Endocrine profile from birth to puberty in buffalo calves and heifers
- Monitoring the reproductive status in Murrah buffaloes by evaluating urinary pregnanediol-3-glucuronide and creatinine
- AMH in heifers, normo-ovulatory and anovulatory buffaloes
- Characterization of stem cells from bovine mammary tissue and milk
- Melatonin and its effect on bovine sperm characteristics and ultrastructure changes
- CEA, CA 15-3 and miRNA expression as biomarkers in canine mammary tumor

AWARDS / HONORS

- #1 **Best Educationist Award - 2011**
- #2 **Eminent Educationist Award - 2011**
- #3 **J N Pandey Memorial Best Poster Award – 2015 by SAPI**
- #4 **M N Razdan Mid-Career Award – 2016 for Research by Society of Animal Physiologists of India (SAPI)**
- #5 **Best Poster Award at IX Annual Conference of IAAVR – 2002**

EXTERNALLY FUNDED PROJECTS - 4

PUBLICATIONS

- Research Publications - 51
- Papers Presented in Conferences - 58

PROJECT ACHIEVEMENTS

- a. Isolation and characterisation of BM-MSCs and its therapeutic application to commence cyclicity in anoestrus buffaloes
- b. Early pregnancy prediction (16 days' post AI) in Sirohi goats by PAGs
- c. Bovine growth hormone RIA kit validation
- d. Early pregnancy prediction (21 – 28 days' post AI) in buffaloes by urine PdG
- e. Recognition of AMH (Anti Mullerian Hormone) as a reliable phenotypic marker for fertility
- f. Characterization of MaSCs and milk stem cells and their role in tumorigenecity in buffaloes
- g. Recognition of melatonin as a cryopreservation extender to improve sperm quality
- h. Identification of prognostic biomarker for canine mammary tumours

INTERNATIONAL FORUMS

- 1. 11th International Veterinary Congress "New Horizons and Possibilities of Veterinary Sector" at Berlin, Germany (2018).
- 2. 12th World Buffalo Congress at Istanbul, Turkey (2019).

PUBLICATIONS

- 1. Effect of melatonin on bovine sperm characteristics and ultrastructure changes following cryopreservation. *Veterinary Medicine and Science* [2020] 6: 177 - 186
 - 2. Interleukin 1 β (IL-1 β) and protein profile during different stages of gestation in buffalo. *Buffalo Bulletin* (2019) 38(1): 41 - 48
 - 3. Evaluation of anti-mullerian hormone in heifers and anestrus Murrah buffaloes. *Indian Journal of Animal Sciences* (2019) 89(7): 718 – 721
 - 4. Follicular dynamics during estrous cycle in Murrah buffaloes. *Journal of Animal Research* (2018) 8(4): 593 – 596
 - 5. Pregnancy associated protein and progesterone concentrations during early pregnancy in Sirohi goats. *Small Ruminant Research* (2016) 141: 45 – 47
 - 6. Serum profile of thyroid hormones from birth to puberty in buffalo calves and heifers. *Journal of Buffalo Science* (2012)1(1): 39 - 49
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