

Curriculum vitae

Poonam A. Bedge, M.Sc., NET

A/P-Karnur, Tal. Kagal

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EDUCATION

Ph.D. Zoology (Pursuing)

University -D.Y. Patil Education Society (Deemed to be university) Kolhapur (M.S) India

Title: "Major Histocompatibility Class I chain related antigen A and B (MICA/B): Biomarker study for cancer.

Date of Registration: June 2016

CSIR-UGC NET-LS (Life Sciences)- June 2012

M.Sc. Zoology, May 2012

Specialization: Cell Biology

University -Department of Zoology., Shivaji University Kolhapur (M.S) India

B.Sc. Zoology, May 2010

University - Shivaji University Kolhapur (M.S) India

PROFESSIONAL EXPERIENCE

Currently working as **Assistant Professor** (CHB) at Department of Zoology, in **Rayat Shikshan Sansthas, Balwant College, Vita, Maharashtra (Since December 2021)**

June 2018 - November 2021 Worked as **Assistant Professor** (CHB) at Department of Zoology, in **D. R. Mane Mahavidyalaya, Kagal, Dist. Kolhapur.**

June 2017- June 2018 Worked as Senior Research Fellow (SRF) in DST funded project entitled Major Histocompatibility Class I chain related antigen A and B (MICA/B): Biomarker study for cancer' at Department of Stem cells and regenerative medicine, **D. Y. Patil University, Kolhapur, Maharashtra.**

June 2015- June 20187 – Worked as Junior Research Fellow (JRF) in DST funded project entitled Major Histocompatibility Class I chain related antigen A and B (MICA/B): Biomarker study for cancer' at Department of Stem cells and regenerative medicine, D. Y. Patil University, Kolhapur, Maharashtra

2013- May 2015- Worked as **Assistant Professor** (Full time leave vacancy) at Department of Zoology, in **Rayat Shikshan Sansthas, Balwant College, Vita, Maharashtra**

SKILLS

- Excellent Managerial skill, Team management, Time management and project management
- Expertise in Cell culture Techniques
- Expertise in Cell Viability studies by using different assays
- Well versed with Proteins estimation by using: Western blotting and ELISA
- Other technique like Immunohistochemistry and H&E
- Microscopic techniques-Inverted fluorescence and confocal Microscope
- Flow cytometry

PUBLICATIONS

1. Patil, R.M., Thorat, N.D., Shete, P.B., **Bedge, P.A.**, Gavde, S., Joshi, M.G., Tofail, S.A. and Bohara, R.A., 2018. Comprehensive cytotoxicity studies of superparamagnetic iron oxide nanoparticles. Biochemistry and biophysics reports, 13, pp.63-72.
2. **Bedge P.A.**, Bohara.R.A , PM Patil, MG Joshi, - Hybrid Nanostructures for Cancer Theranostics, 2019 p.64-79
3. Kshersagar J, Desai S, **Bedge P A**, Walvekar M, Sharma R, Joshi MG. Unexplained Primary Infertility is associated with Lack of Tight and Adherence Junction between Endometrial Cells. J South Asian Feder Obst Gynae 2017;9(4):437-440
4. Jivita R Kshirsagar, **Bedge P A**, Shashikant R Desai, Rakhi Mirje, Raghvendra A Bohara¹ and Meghnad G Joshi 2017., MHC Class I Related Antigen A and B and NKG2D Receptor Expression in PAP smear: A Newer Paradigm of Diagnoses in Cervical Cancer., Cancer Therapy & Oncology International Journal., Short Communication- Volume 5 Issue 5
5. Jeevitaa Kshersagar, Mrunal N Damle, Poonam Bedge, Rakhi Jagdale, Kishor Tardalkar, Swapnali Jagadale, Dhanaji Jadhav, Yashwant Toro, Meghnad G Joshi, Soluble MICA in biofluids as biomarker in tracing oral malignant growth which relates with disease stage. Annals of Cancer Research and Therapy 2022, Volume 2, 132-138.
6. Downregulation of MICA/B tumor surface expression and augmented soluble MICA serum levels correlate with disease stage in breast cancer. Jeevitaa Kshersagar, Mrunal N Damle, Poonam Bedge, Rakhi Jagdale, Kishor Tardalkar, Dhanaji Jadhav, Swapnali Jagadale, Yashwant Toro, Rakesh Sharma, Meghnad G Joshi. Breast disease, 2022, Volume 41, 471-480.

TEACHING

1. Assistant Professor –(Full time leave vacancy) at Department of Zoology, in Rayat Shikshan Sansthas Balwant college, Vita, Maharashtra
2. Assistant Professor- Clock hour basis (CHB)at Department of Zoology, in Rayat Shikshan Sansthas Balwant college, Vita, Maharashtra

HONORS AND AWARD

- Shortlisted oral presentation for West zone in ANVESHAN 2017 held at NIMS University Jaipur, Rajasthan –“Diagnostic Significance of MICAIB in PAP Smear for early detection of cervical cancer”.
- Represented D.Y. Patil University in ANVESHAN 2017 held at NIMS University Jaipur, Rajasthan.
- Qualified NET-LS in First attempt while perusing Final year Postgraduation

Personal Dossier:

- Date of birth: 14th July 1990
- Fathers name: Shri. Ananda Balu Bedge
- Permanent Address: A/P. Karnur, Tal. Kagal, Dist. Kolhapur, Maharashtra, Pin code-416216
- Marital Status: Unmarried
- Nationality: Indian

Hereby I declare that the information given above is true to the best of my knowledge.

Poonam A Bedge

