# (III) Publications and Patent

1. Induction of Islet differentiation from hBMSCs: A novel approach to recapitulate pancreatic islet development pathway [Manuscript under preparation]
**Mitul Vakani,** Abhay Srivastava, Nidheesh Dadheech, Ramesh Bhonde, Sarita Gupta

2. Swertisin ameliorates diabetes by triggering pancreatic progenitors for islet neogenesis in Streptozotocin treated BALB/c mice.
Abhay Srivastava, Nidheesh Dadheech, **Mitul Vakani**, Sarita Gupta. Biomedicine & Pharmacotherapy 2018 (IF-3.7)

3.Pancreatic resident endocrine progenitors demonstrate high islet neogenic fidelity and committed homing towards diabetic mice pancreas.
Abhay Srivastava, Nidheesh Dadheech, **Mitul Vakani,** Sarita Gupta. Journal of cellular physiology 2018 (IF-4.5)

4. Chemoprevention of breast cancer by *Psidium guajava Linn*.
Prachi D. Karia, Laxmi A. Patil, **Mitul S. Vakani**, Gaurav M. Chauhan, Sarita S. Gupta, S. P. Rathod, Kirti V. Patel. Asian Journal of Pharmacy and Pharmacology 2019.

**5**.Direct lineage tracing reveals activin-A potential for improved pancreatic 1 homing of bone marrow mesenchymal stem cells and efficient ß-cell 2 regeneration *in-vivo*.
Nidheesh Dadheech, Abhay Srivastava, **Mitul Vakani,** Paresh Shrimali, Ramesh Bhonde, and Sarita Gupta. Stem cell research and therapy (IF-5.3) [Accepted]

**PATENT (INDIA):**

**Title:** Swertisin as potent and novel molecule for islet differentiation from human bone marrow derived mesenchymal stem cells.
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