



National Conference on Sustainable Developments in Engineering,
Science, Humanities and Management (NCSDESHM – 2025)
28th December, 2025, Raipur, Chhattisgarh, India.

CERTIFICATE NO: NCSDESHM /2025/ C1225955

Effect of Swarna Bhasma on Reproductive Function in Female Rats

K. S Vishnu Nampoothiry

Research Scholar, Department of Ayurveda, Desh Bhagat University, Mandi Gobindgarh, Punjab.

ABSTRACT

Swarna Bhasma, a traditional Ayurvedic preparation made from purified gold, has been widely used in Indian medicine for its rejuvenating and therapeutic properties. In recent years, scientific studies have attempted to evaluate its pharmacological effects, including its influence on reproductive functions. Research on female rats has been conducted to understand how Swarna Bhasma affects fertility, hormonal balance, and reproductive health. Experimental studies suggest that controlled doses of Swarna Bhasma may have a positive effect on reproductive parameters. It has been reported to enhance ovarian function, regulate the estrous cycle, and improve hormonal balance by influencing levels of estrogen and progesterone. These effects may contribute to improved fertility and reproductive efficiency in female rats. Additionally, Swarna Bhasma is believed to possess antioxidant and immunomodulatory properties, which help reduce oxidative stress in reproductive tissues and support overall reproductive health. Some studies have also indicated improvements in ovarian follicle development and uterine health after administration of the preparation. However, the effects of Swarna Bhasma largely depend on the dosage, method of preparation, and duration of treatment. Excessive or improper use may lead to toxic effects. Therefore, while preliminary experimental findings show promising results regarding its beneficial role in reproductive function, further detailed toxicological and clinical studies are necessary to confirm its safety and therapeutic potential in reproductive medicine.