

Aphrodisiac Activity of Ethanolic Extract of *Ionidium Suffruticosum* in Male Rats

Authors : D. Satheesh Kumar, K. S. Lakshmi, V. J. Vishnu Varthan

Abstract : Background: Aphrodisiacs are the substances which are used to increase sexual activity and help in fertility. Infertility is a worldwide medical and social problem. *Ionidium suffruticosum* has an extensive ethnomedical history of use as a traditional remedy for reproductive impairments. Hence, this study was conducted to study the aphrodisiac properties of *Ionidium suffruticosum* by observing the sexual behavior of male rats. Methods: The ethanolic extract of whole plant of *Ionidium suffruticosum* (EEIS) at the dose of 200 mg/kg and sildenafil citrate at the dose of 5 mg/kg were administered to the male rats. Mount latency (ML), intromission latency (IL), ejaculation latency (EL), mounting frequency (MF), intromission frequency (IF), ejaculation frequency (EF) and post-ejaculatory interval (PEI) were the parameters observed before and during the sexual behaviour study at days 0, 10, 20, 30, and 40. Results: The ethanolic extract of roots of *Ionidium suffruticosum* reduced significantly ML, IL, EL and PEI ($p < 0.05$). There was statistically increase in MF, IF and EF ($p < 0.05$) compared to control following treatment with ethanolic extract of *Ionidium suffruticosum*. These effects were observed in sexually active and inactive male rats. Conclusion: Present findings provide experimental evidence that the crude extract of *Ionidium suffruticosum*, used as a traditional remedy, possesses aphrodisiac properties.

Keywords : *Ionidium suffruticosum*, aphrodisiac, sexual behavior, ethanolic extract

Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020