



## **Zoology**

**Explore**—Journal of Research for UG and PG Students

ISSN 2278 – 0297 (Print)

ISSN 2278 – 6414 (Online)

© Patna Women's College, Patna, India

<http://www.patnawomenscollege.in/journal>

---

### **Effect of arsenic on the total blood cell count of Swiss albino mice**

**Deepa Sharma • Anila Priya • Kavya  
• Shahla Yasmin**

Received : December 2010  
Accepted : February 2011  
Corresponding Author : Shahla Yasmin

**Abstract :** *Mitigating roles of garlic and ascorbic acid on low dose arsenic- induced changes in total blood cell count were investigated in Swiss albino mice. It was found that complete picture of blood was not significantly disturbed by low dose of arsenic. However damage in the soft tissues of digestive tract and uterus were seen. Therefore, it is suggested that water containing even low dose of arsenic should not be consumed. Garlic and ascorbic acid may prove to be protective but only in higher concentration.*

**Key words :** *Arsenic trioxide, ascorbic acid, garlic extract, blood cell count.*