**Dr. ARCHANA KUMARI**



**Present status:**

Assistant Professor

Department of Biotechnology

Guru Ghasidas Vishwavidyalaya

**Qualification:**

M.Sc. Biotechnology

GATE 2003 Qualified

ICMR-SRF

Ph.D. Biotechnology (CSIR-IITR Lucknow)

**Email:** archanakumaritmu@gmail.com

**Phone:** 6267182966

**Teaching Experience: 1 Year and 4 months**

**Research Experience: Women scientist (CSIR-URDIP, Pune)**

**Publications: Research Papers: 9; Conference Papers: 6**

**Workshop attended: 4; Short term course attended: 1; Invited Lecture/Resource Person: 4**

**M.Sc. Thesis Guided:9**

**B.Sc. Thesis Guided: 10**

**Awards and Honors:**

CSIR Diamond jubilee Research Intern award

**Publications:**

#### Kumari, A., Kakkar, P. (2008). Screening of antioxidant potential of selected barks of Indian medicinal Plants by multiple in vitro assays. Biomedical and Environmental science, 21, 24-29.

* **Kumari,** **A.,** Kakkar, P. (2012). [Lupeol protects against acetaminophen-induced oxidative stress and cell death in rat primary hepatocytes.](http://www.ncbi.nlm.nih.gov/pubmed/22406326) *Food and Chemical Toxicology*, 50(5): 1781-9.
* **Kumari,** **A.,** Kakkar, P. (2012). Lupeol prevents acetaminophen-induced in Vivo hepatotoxicity by altering the Bax/Bcl-2 and oxidative stress-mediated mitochondrial signaling cascade. *Life Sciences,* 90 (15-16), 561-570.

* Kumari Anjana, V.P. Vadlamudi, K. M. Koley, Gayatri Dewangan, R.K Nirala, Sushant Parekar and **Archana Kumari.** (2015). Antipyretic effect of hot Methanolic leaves extract of Calotropis Gigantea on Brewer’s Yeast induced pyrexia. *Journal of Veterinary Pharmacology and Toxicology*, 14 (2):89-90.
* Anjana Kumari, R.K Nirala, **Archana Kumari** and SK Mody (2017). Pharmacokinetics and Bioavailability of long term acting Moxifloxacin in Goats. *Ruminant Science*, 6, 283-288.
* Kumari Anjana, SK Mody, R.K Nirala, and **Archana Kumari** (2017). Effect of Meloxicam on Pharmacokinetics of Long Acting Moxifloxacin in Goats. *International Journal of Current Microbiology and applied Science*. 6 (3), 1104-1108.
* Ramesh Kumar Nirala, Preety Raj, Kumari Anjana, **Archana** **Kumari** and KG Mandal (2019), Medicinal plants and its activity against helminth: A review. Journal of Pharmacogonosy and Phytochemistry, 8 (5) 2348-2355.
* Ramesh Kumar Nirala, Kumari Anjana, Preety Raj, **Archana** **Kumari** and KG Mandal (2020) Legacy of Indian herbs: Empirism to economics. Journal of Pharmacogonosy and Phytochemistry, 9 (1) 874-878.
* Bhaskar A, Ekka A, Kumari A (2021) Nanostructure photocatalyst for purification of fluoride water, Chhattisgarh Journal of Science and Technology, 18 (2) 11-17.
* Jha Y, **Kumari A,** Ghanaim A M, Gören‑Saglam N, Mohamed HI (2025) Bacterial Endophytes and arbuscular mycorrhizal fungi (AMF) Mitigate Marigold Marigold Mosaic Virus in Tagetes erecta via Antioxidant Enzyme Induction and Gene Regulation. Eur J Plant Pathol. <https://doi.org/10.1007/s10658-025-03104-2.>

**Administrative responsibilities**

* NSS Co-Ordinator at department level.
* Departmental coordinator of Samarth portal
* Member GGV Sudama yojana