



## DIVISION OF MICROBIAL & ENVIRONMENTAL BIOTECHNOLOGY

### COLLEGE OF BIOTECHNOLOGY

Sardar Vallabhbhai Patel University of Agri. & Tech.

Meerut – 250110 (U.P.)

#### PROFILE

**Sandeep Kumar**

**Ph.D., Biotechnology**

**Associate Professor,**

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**AREA OF SPECIALIZATION:** Enzymology/ Biochemistry

#### EDUCATION:

DEGREE	UNIVERSITY/ INSTITUTION	YEAR
Ph.D., Biotechnology	Banaras Hindu University, Varanasi, India	2009
M.Sc., Biotechnology	Banaras Hindu University, Varanasi, India	2002
CSIR/ UGC - JRF / NET	Qualified	2001

#### PROFESSION / CAREER DETAILS:

Designation & current basic pay	Pay Band	Name & address of Employer	Period	
			From	To
Associate Professor	37400 - 67000 + <b>AGP 9000</b>	Dept. of Biochemistry & Physiology, College of Biotechnology, S.V.P. Uni. of Agr. & Tech., Modipuram, Meerut -250110 (U.P.)	28/05/2019	till date
Assistant Professor	15,600-39,100 + <b>AGP 8000</b>	Dept. of Biochemistry & Physiology, College of Biotechnology, S.V.P. Uni. of Agr. & Tech., Modipuram, Meerut -250110 (U.P.)	28/05/2016	27/05/2019
Assistant Professor	15,600-39,100 + <b>AGP 7000</b>	Dept. of Biochemistry & Physiology, College of Biotechnology, S.V.P. Uni. of Agr. & Tech., Modipuram, Meerut -250110 (U.P.)	28/05/2011	27/05/2016
Assistant Professor	15,600-39,100 + <b>AGP 6000</b>	Dept. of Biochemistry & Physiology, College of Biotechnology, S.V.P. Uni. of Agr. & Tech., Modipuram, Meerut -250110 (U.P.)	28/05/2007	27/05/2011

#### PUBLICATIONS:

1. Swati M, **Kumar S**, Reddy KRS, Kayastha AM (2007) Immobilization of urease from pigeonpea (*Cajanas cajan*) on agar tablets and its application in urea assay. *Applied Biochemistry and Biotechnology* 142: 291-297.
2. **Kumar S**, Dwevedi A, Kayastha AM (2009) Immobilization of soybean (*Glycine max*) urease on alginate and chitosan beads showing improved stability: Analytical applications. *Journal of Molecular Catalysis B: Enzymatic* 58: 138-145.
3. **Kumar S**, Kayastha AM (2010) Acetohydroxamic acid: a competitive inhibitor of urease from soybean (*Glycine max*). *Journal of Proteins and Proteomics* 1(1): 3-8.
4. **Kumar S**, Kayastha AM (2010) Inhibition studies of soybean (*Glycine max*) urease with heavy metals, sodium salts of mineral acids, boric acid and boronic acids. *Journal of Enzyme Inhibition and Medicinal Chemistry* 25(5): 646-652.
5. **Kumar S**, Kayastha AM (2010) Soybean (*Glycine max*) urease: Significance of sulfhydryl groups in urea catalysis. *Plant Physiology and Biochemistry* 48(9): 746-750.

6. **Kumar S**, Kayastha AM. (2012) Studies of Histidine Residues in Soybean (*Glycine max*) Urease. *Protein & Peptide Letters*, 19: 657-666
7. **Kumar, S.** (2017) Soybean (*Glycine max*) urease: steady state kinetics, stability and thermal inactivation studies. *Journal of Proteins and Proteomics* 8(2): 85-92.