

Individual faculty information

1. **Name & Designation** : Dr R. A. Siddique, Professor
2. **Highest qualifications** : PhD
3. **Specialization/Area of interest:** Veterinary Biochemistry
4. **Contact details**
(Mobile No & Email address): **8077553952**,
riazndri@gmail.com,
riaz.vet@svpuat.edu.in
5. **Brief profile**



a. **Name & Designation:** Dr R. A. Siddique, Associate Professor

b. Academic qualification

| Degree | Institute/University | Year | Subject |
|----------|--|------|---|
| PhD | National Dairy Research Institute, Karnal-132001, Haryana, India | 2012 | Biochemistry and Biotechnology |
| MVSc | G.B. Pant University of Agriculture & Technology, Pantnagar-263153, Uttarakhand, India | 2005 | Biotechnology and Biochemistry |
| BVSc& AH | G.B. Pant University of Agriculture & Technology, Pantnagar-263153, Uttarakhand, India | 2003 | As per MSVE of Veterinary Council of India, New Delhi |

c. Publication (Ten best publication in APA format)

1. Siddique, R.A., Atreja, S.K., Khan, A., Singh, K.P., Fahim A., Kumar, A. & Ali, N. (2022). Comparative Study of Agonists Induced Acrosome Reaction in Murrah Buffalo Spermatozoa. *Octa Journal of Bioscience*, 10 (2):100-111.
2. Kumar, R., Ali, N., Siddique, R. A., Singh R. & Sahu, D. S. (2021). Improvement in growth performance of broiler chicken on dietary supplementation of mushroom powder (*Agaricusbisporus*) and probiotics (*Saccharomyces cerevisiae*). *The Pharma Innovation Journal*, SP-10(3): 13-17.
3. Siddique, R. A., Shabana, Ali, N., Bharti, M. K., Kumar, A., Kumar, A. & Ambwani, T. (2019). Nitric Oxide: A Prime Signaling Molecule in Bovine Male Reproduction. *International Journal of Livestock Research*, 9(8): 49-74.
4. Kant, S., Ali, N., Chandra, G. & Siddique, R. A. (2014). Effect of shatavari and vitamin E on hemato-biochemical profile of broilers during winter season. *Veterinary World*, 7(11): 948-951.
5. Siddique, R.A. & Atreja, S.K. (2013). Effect of L-Arginine and Spermine-NONOate on motility, viability, membrane integrity and lipid peroxidation of Murrah buffalo (*Bubalus bubalis*) spermatozoa. *Livestock Science*, 153:147-153.
6. Siddique, R.A. & Atreja, S.K. (2012). Effect of Spermine-NONOate on acrosome reaction and associated protein tyrosine phosphorylation in Murrah buffalo (*Bubalus bubalis*) spermatozoa. *Animal Reproduction Science*, 131: 81-87.
7. Siddique, R. A., Saxena, M. & Lakhchaura, B.D. (2009). PCR based rapid detection of *Salmonella* from Poultry samples, *Indian Journal of Public Health*, 53 (4):226-228.
8. Siddique, R. A., Saxena, M. and Lakhchaura, B.D. (2009). Molecular typing of Indian *Salmonella* isolates from Poultry samples, *Indian Journal of Animal Science*, 79 (4):353-357.
9. Siddique, R. A., Tandon, M., Ambwani, T., Rai, S.N. & Atreja, S.K. (2008). Nutrigenomics: Nutrient-Gene interactions. *Food Reviews International*, 25: 326-345.

10. Tandon, M., Siddique, R.A., Arvind & Rai, S.N. (2008). Anti-Cancer Diet: Reviewing the Role of Nutrition in Cancer Prevention. *Current Topics in Nutraceutical Research*, 6(2): 67-82.

d. Student guided/ Co- guided

| Student | Guided (Number) | Co- guided (Number) |
|---------|-----------------|---------------------|
| PG | - | 10 |
| PhD | - | 02 |

e. Research project

| Name of position | Name of project | Funding agency |
|------------------------|---|----------------|
| Principal Investigator | Establishment of semen analytical laboratory for semen certification and quality assurance of breeding cattle and buffalo bull semen of Western Uttar Pradesh | RKVY |

f. Award/ Recognition

- Fellow Award-2019, Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India during International Conference, "Global Perspective in Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019)" on 1-2nd Dec, 2019 at Kumaon University, Nainital, UK, India.
- Best Teacher Award-2019, Agricultural Technology Development Society (ATDS) during 3rd International Conference, "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019)" on 16-18th June, 2019 at Tribhuvan University, Kathmandu, Nepal.