

# FORM



1. **Passport Size Photo:**

2. **Name** : Dr Chetna Gangwar

3. **Institution Address& Designation (Present)**

Scientist PRSM Division, Central Institute For Research On Goats, Makhdoom, po – Farah, Mathura (U.P)

4. **Email:** chetnaom82@gmail.com

5. **Contact Number:** 09412125800

6. **Degree:** M.V.Sc and PhD (course work completed)

7. **Experience:** As veterinary officer --- 5 year  
As scientist -- 2 year

8. **Awards:**

- **University Scholarship** 2002-2006 for 1<sup>st</sup> position in B.V.Sc & A.H
- **Winner of 'Brucella & mastitis** diagnosis 2003-04 held at G.B.P.U.A & T. Pantnagar
- **1st runner up in pathological disease diagnosis** 2002-03 held at G.B.P.U.A & T. Pantnagar
- **2nd position in pathological disease diagnosis** 2003-04 held at G.B.P.U.A & T. Pantnagar
- **Intas Neomac Shiksha Award- '2006' For Best Graduate Student**
- **Best paper Award** in Best Paper Award in "26th Annual Convention of IAVA and National Symposium at DUVASU Mathura, 2-4 Nov 2011.
- **Young Scientist Award** in XXX annual convention of Indian Society for study of Animal reproduction (ISSAR) and national Symposium on Research and innovation to improve Animal Fertility and Fecundity 20-22 November 2014.
- **1<sup>st</sup> prize** in CIRG in Hindi Sodh Patra --- 2013
- **1<sup>st</sup> prize** in CIRG in Hindi Sodh Patra --- 2014
- **1<sup>st</sup> prize** in CIRG in Hindi Shabd Anuprayog Pratiyogita --- 2014
- **1<sup>st</sup> prize** in CIRG in Hindi Ritulekh Pratiyogita --- 2014
- Appreciation award by NAIP --- 2014
- **1<sup>st</sup> prize in Kisan mela in Scientific Knowledge Discrimination** held on 14-15 March 2014 at U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalya evan Go-Anusandhan Sansthan, Mathura.

9. **Area of Interests:**

Semen Cryopreservation

**10. Publication List:**

<b>Number of Research papers Published</b>	<b>Numbers of Students Guided/ co guide</b>	<b>Project handles as P.I/CO-PI</b>
Research paper- 17 Invited lectures 25 Books(Chapters) 02 Lead papers 05 Semi technical papers - 19 Abstracts - 26 Radio talk -02 T.V. Talk 01	Guide - One (BSc, Biotechnology)	03

**Research Paper**

S.P.Singh, I.Singh, G.K. Singh and **Chetna Gangwar** (2008) Light Microscopic Changes in bursa of fabricus of developing Guinea fowl. Journal of Immunology and Immunopathology 10(2); 105-106.

**Chetna Gangwar**, Shiv Prasad, S.K.Rastogi and J.L.Singh (2009) Effect of L-NAME on luteolysis and esterdiol conceration in cyclic Murrha Buffaloes. Indian Journal of Animal Physiology 1(4)27-30.

**Chetna Gangwar** , Shiv Prasad, J.K.Prasad, S.P.Singh & A.K.Verma (2010) Effect of Nitric oxide synthase inhibitor on progesterone secretions, NO concentration and estrous cycle length in Buffaloes. On Line Journal of Veterinary Research 14(1) 49-55.

S.P.Singh, I.Singh, G.K. Singh and **Chetna Gangwar** and Prabhakar Kumar (2011) Psostnatal development of bursa of fabricus in relation to humoral immunity in keets.13 (1). Journal of Immunology and Immunopathology13 (1).42-45

S.P.Singh, I. Singh, G.K. Singh and **Chetna Gangwar** (2011) Age related change in hematological parameters of developing keets.JIIP13(1)46-49.

S.P.Singh, I.Singh, G.K. Singh, **Chetna Gangwar** and Prabhakar Kumar (2011) Evaluation of immune Responances of T-Cells in Guinea fowl JIIP13(1) 38-41.

**Chetna Gangwar** Atul Saxena and S.P.Singh (2012) Multiple congenital malformations in a female calf Haryana Veterinarian 51(2)127-128.

**Chetna gangwar**, R.Ranjan Satish Kumar, S.D. Karche, A.K.Goel, N.Ramachandran, and S.K.Jindal (2014) use of chelating agent for optimum post thaw quality of buck Semen Indian Journal of Animal Sciences 84 (8): 839-841.

R.Ranjan, A.K.Goel, S.D. Karche, N.Ramachandran, **Chetna gangwar** and S.K.Jindal (2014) comparison of normal and dual staining technique for evaluating viability and acrosomal status in frozen thawed buck spermatozoa. The Indian journal of small ruminants 20(2) : 50-53.

**Chetna Gangwar**, Ravindra Kumar, S P Singh, Shanker K Singh, M K Srivastava and Atul Saxena (2015) . Serum metabolites and macro mineral profile of prepartum buffaloes affected with cervico-vaginal prolapsed. Indian Journal of Animal Sciences 85(6): 575-577.

**Chetna Gangwar**, Alok Kumar and Atul Saxena: (2014). Post-partum uterine prolapse in a Murrah buffalo- a case report. Polivet Intas, vol (15).

**Chetna Gangwar**, S.D.Kharche, Ravi Ranjan, Satish Kumar, A.K. Goel and S.K. Jindal (2015). Effect of vitamin C supplementation on freezability of Barbari buck semen. Small Ruminant Research 129(2015) 104-107.

A K S Sikarwar, N. Ramachandran, Ravi Ranjan, **Chetna Gangwar** and Jitendra Kumar Agrawal(2015). Effect of Different Levels of Glycerol and DMSO on Freezability of Buck Semen. Livestock Research International | July-September, 2015 | Vol 3 | Issue 3 | Pages 71-73

**Chetna Gangwar**, S.D. Kharche, Satish Kumar and S.K. Jindal (2016). Cryopreservation of Goat Semen: Status and Prospects. Indian Journal of Small Ruminants 2016, 22(1): 1-10

**Chetna Gangwar**, Akhil, S.P.Singh and Atul Saxena.(2015) . Dystocia Due to an Anterior Duplication Twin Monster In Buffalo. Veterinary Clinical Science | July-September, 2015 | Vol 3 | Issue 3 | Pages 15-16

Narendra Kumar, B. Rai, Showkat A. Bhat, S. D. Kharche, **Chetna Gangwar**, S. K. Jindal and Subhash Chandra Effect of management system and season on semen freezability in Jakhrana bucks.Veterinary World, 9(2): 199-202

S. D. kharche, S. Agrawal, J. Pathak, A.K.S.Sikarwar, **Chetna Gangwar**, Ravi Ranjan, A.K. Goel, S.K. Jindal and S.K. Agarwal.(2016). Influence of cysteamine supplementation during in vitro culture of early stage caprine embryos on blastocyst production. Indian Journal of Animal Sciences 86 (3): 304-306.

**Lead paper:**

**Gangwar Chetna**, Ranjan R., Kharche S.D., Kumar Satish, Jindal S.K. and Agarwal S.K. (2014) : Cryopreservation of Goat Semen : Present status and Future prospects. Sheep and Goat Biodiversity and breeding policies-Issues and perspective and Annual conference of Indian Society for sheep & Goat Production & held on Krantisinh Nana patil College of Veterinary Science, Shirwal (Satara) 21-22 February, 2014. p. 346-361.

Kharche S.D., **Gangwar Chetna** and Agarwal S.K. (2014) : Animal Cloning : Technological Development for future application. National Symposium on "Frontier Reproductive Biotechnologies for enhancing Animal fertility and fecundity global perspective and XXIX annual convention of India society for study of animal reproductive" held on MAFSU, Nagpur. p. 297-311.

Kharche S.D., **Gangwar Chetna**, Ranjan R., and Agarwal S.K. (2014): Reproductive technologies for enhancing animal production. 2<sup>nd</sup> Annual meeting of society of veterinary science and Biotechnology and national seminar on Biotechnologies approaches to challenges in animal health and production held on 6-7 March, 2014 U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalya evan Go-Anusandhan Sansthan, Mathura. p. 72-79.

Ranjan R., **Gangwar Chetna**, Kharche S.D., Jindal S.K., and Agarwal S.K. (2014): Future prospects of embryonic stem cell in small ruminants. Sheep and Goat Biodiversity and breeding policies-Issues and perspective and Annual conference of Indian Society for sheep & Goat Production & held on Krantisinh Nana patil College of Veterinary Science, Shirwal (Satara) 21-22 February, 2014. p. 230-24

Kumar Satish, Ranjan R. and **Gangwar Chetna**. (2014) Advances in reduction of cryodamages to sperm cell. Sheep and Goat Biodiversity and breeding policies-Issues and perspective and Annual conference of Indian Society for sheep & Goat Production & held on Krantisinh Nana patil College of Veterinary Science, Shirwal (Satara) 21-22 February, 2014. p. 230-241.

## **Semi technical articles**

S.P.Singh, Munish batra, **Chetna Gangwar** and G.K.Singh (2005): Guinea Fowl farming advantages over Conventional Poultry Farming. Poultry Line: 18-20.

S.P.Singh, Munish batra, **Chetna Gangwar** and G.K.Singh (2007): Important aspects of Guinea fowl farming: Poultry Line 33-37.

R.Ranjan, **Chetna Gangwar**, and N.Ramachandran (2013) Beta Defensins : Can protect sperm from immunological Assression by female CIRG News IX.

**Gangwar Chetna**, Ranjan Ravi and Kharche S.D. (2014). Himikrit Virya Dwara Bakriyon Mein Kritim Garbhadhan, Kheti pp. 17-18.

**Gangwar Chetna**, Ranjan R. and Jindal S.K. (2014). Fertility associated Proteins: Can be used as fertility marker. CIRG news.

**Chetna Gangwar**, S.D. Kharche, S.P. Singh.(2016). Dairy Goat: Profits and Scope. Vol. 68 No. 3.Indian Dairyman. pp 88-92.

एस0पी0 सिंह, **चेतनागंगवार**, जे0वाई0 बघाये एवं डी0एन0 वर्मा (2006). गो पशुओ का संतुलित आहार ब्यवस्था।इण्डियनकाऊए वाल्यूम-3, इस्यू-9 पेज नं0 56-58।

**चेतनागंगवार**, एस0पी0 सिंह, जी0के0 सिंह एवं एच0एन0 सिंह (2006). गल घोटू : गो पशुआ में महामारी।इण्डियनकाऊ, वाल्यूम-3, इस्यू-9 पेज नं0 53-55।

एस0पी0 सिंह, **चेतनागंगवार**, अमित सिंह एवं एच0एन0 सिंह (2006). उन्नत पशु-पालन समय की आवश्यकता।पूर्वान्वल खेती-10, पेज नं0 20-23।

एस0पी0 सिंह, **चेतनागंगवार**, एच0एन0 सिंह एवं ई0एन0 यादव (2006). भैंस पालन समस्याय, निदान एवं सम्भावनायें।पूर्वान्वल खेती-11, पेज नं0 45-47।

एस0पी0 सिंह, **चेतनागंगवार** एवं जी0के0 सिंह (2006). विश्व एवं भारतीय अर्थब्यवस्था में गाय का महत्व। द इण्डियनकाऊ, दिसम्बर, 2006।

**चेतनागंगवार**, एस0पी0 सिंह, जी0के0 सिंह एवं आर0एस0 चौहान (2007). गो-पशुओं के आहारमें खनिज तत्वों का महत्व। द इण्डियनकाऊ, वाल्यूम-4, इस्यू-10 पेज नं0 23-24।

एस0पी0 सिंह, **चेतनागंगवार**, अमित सिंह एवं एस0 के0 सिंह (2007) गो-पशुओं के लिए चारा संरक्षण महत्व। द इण्डियनकाऊ, वाल्यूम-4, इस्यू-10 पेज नं0 24-27।

रवि रंजन एवं **चेतना गंगवार** (2014) नस्ल सुधार के लिये बकरों का चयन। **अजामुख** 29:6

**चेतना गंगवार**, रवीन्द्र कुमार एवं रवि रंजन (2013) बकरियों के उत्तम प्रजनन हेतु खनिज तत्वों की महत्ता। **अजामुख** 28:2।

**चेतना गंगवार**, रवि रंजन एवं एस0डी0 खर्चे (2014) हिमीकृत वीर्य द्वारा बकरियों में कृत्रिम गर्भाधान।

**खेती दुनिया**, पटियालाए किसान मेला विशेषांक (बढिन्डा) : 12।

अजुन कुमार सिंह सिकरवार, **चेतना गंगवार**, रवि रंजन एवं एस0डी0 खर्चे (2014) असाध्य रोगों के उपचार की असीम सम्भावनाओं को तलाषती वंश कोषिकायें : **पशुधन प्रकाष**, पंचम अंक