**Format-II**

***FACULTY PROFILE***

1. **Name**: UMANG

2. **Designation**: Assistant professor

3. **Qualification**: Master in Computer Application

4. **Area of Specialization/Research field:** Software development in Java , VB.Net., Data mining and analysis

Awards/Recognitions: None

6. Number of Research projects:

i) Completed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No. | Title of the project | Funding Agency | Amount(Rs.) | Year (From-To) |
|  | - | - | - | - |

ii) On-going

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| --- | --- | --- | --- | --- | --- |
| Sl. No. | Title of the project | Funding Agency | Amount | Date of Commencement | Expected date of completion |
|  | - | - | - | - | - |

7. Number of Ph. D candidates successfully completed: Nil

8. Number of Ph. D candidates currently working: Nil

9. Publications:

i) Books

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No. | Co-Author/s | Title | Publisher | Year of publication |
|  | - | - | - | - |

ii) Research Articles published in journals

**DNA sequences submitted to NCBI GenBank -**

1. [Bos indicus genotype BstYI-d MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834903.1) 284 bp linear DNA Accession: DQ834903.1 GI: 111380015
2. [Bos indicus genotype BstYI-e MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834902.1) 284 bp linear DNA Accession: DQ834902.1 GI: 111380013
3. [Bos indicus genotype BstYI-o MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834901.1) 284 bp linear DNA Accession: DQ834901.1 GI: 111380011
4. [Bos indicus genotype RsaI-l MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834900.1) 284 bp linear DNA Accession: DQ834900.1 GI: 111380009
5. [Bos indicus genotype RsaI-j MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834899.1) 284 bp linear DNA Accession: DQ834899.1 GI: 111380007
6. [Bos indicus genotype RsaI-f MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834897.1) 284 bp linear DNA Accession: DQ834897.1 GI: 111380005
7. [Bos indicus genotype RsaI-i MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834898.1) 284 bp linear DNA Accession: DQ834898.1 GI: 111380003
8. [Bos indicus genotype RsaI-v MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834896.1) 284 bp linear DNA Accession: DQ834896.1 GI: 111380001
9. [Bos indicus genotype RsaI-o MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834895.1) 284 bp linear DNA Accession: DQ834895.1 GI: 111379999
10. [Bos indicus genotype RsaI-g MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834894.1) 284 bp linear DNA Accession: DQ834894.1 GI: 111379997
11. [Bos indicus genotype HaeIII-f MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834893.1) 284 bp linear DNA Accession: DQ834893.1 GI: 111379995
12. [Bos indicus genotype HaeIII-e MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834892.1) 284 bp linear DNA Accession: DQ834892.1 GI: 111379993
13. [Bos indicus genotype HaeIII-d MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834891.1) 284 bp linear DNA Accession: DQ834891.1GI: 111379991
14. [Bos indicus genotype HaeIII-b MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834890.1) 284 bp linear DNA Accession: DQ834890.1 GI: 111379989
15. [Bos indicus genotype HaeIII-a MHC class II antigen (BoLa-DRB3) gene, exon 2 and partial cds](https://www.ncbi.nlm.nih.gov/nuccore/DQ834889.1) 284 bp linear DNA Accession: DQ834889.1 GI: 111379987

**Research Papers-**

1. Bhushan, Bharat & Patra, Biswa & Das, Pranab & Dutt, Triveni & Kumar, Pushpendra & Sharma, Arjava & Umang, & Dandapat, Satyabrata & Ahlawat, Shiv. (2007). Polymorphism of exon 2-3 of bovine major histocompatibility complex class I BoLa-A gene. Genetics and Molecular Biology - GENET MOL BIOL. 30. 10.1590/S1415-47572007000400009.
2. Bhushan, Bharat & Patra, B. & Paswan, Chandan & Umang, & Kumar, Pushpendra & Dutt, Triveni & Das, Pranab & Sharma, Arjava & Ahlawat, Sonika. (2007). DNA polymorphism of BoLA-DRB3.2 gene in Tharparkar cattle (Bos indicus) by PCR-RFLP. Journal of Applied Animal Research - J APPL ANIM RES. 32. 187-190. 10.1080/09712119.2007.9706875.
3. Bhushan, Bharat & Singh, S. & Umang, & Agrawal, Nidhi & Dutt, Triveni & Kumar, Pushpendra & Sharma, Arjava & Ahlawat, Sonika. (2008). Role of Land Holding Patterns for Adoption of Dairy Husbandry Practices in Rural Areas of Bareilly District in India. Journal of Applied Animal Research - J APPL ANIM RES. 34. 185-188. 10.1080/09712119.2008.9706968.
4. Bhushan, Bharat & K., Singh & Umang, & N., Agrawal & T., Dutt & Kumar, Prabhat & Sharma, Arjava & S., Ahlawat. (2010). Effect of education levels on adoption of management practices among livestock owners in urban areas of Bareilly district of Uttar Pradesh. Indian Journal Dairy of Sciences. 63. 1-5.
5. Umang, Joshi Rajesh. Open Source Information and Communication Technology (ICT) Tools for Study of Snow and Glaciers. ENVIS Bulletin on Himalayan Ecology. (Vol. 21, 2013).31-35. ISSN: 0971-7447
6. Umang, Surya Pratap Singh. Integrated standalone tool for identification of microsatellites. Int. J. Adv. Res. 2020. 8(02), 792-797. <http://dx.doi.org/10.21474/IJAR01/10510>

iii) Papers presented in Conferences/Seminars

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Title of the paper** | **Title of conference/seminar** | **Year** |
| 1 | “Artificial Insemination: Acceptability, Impact, Constraints and solutions” | National seminar at IVRI, Bareilly | 12-13 October 2006 |
| 2 | Role of animal genetic resources in rural livelihood security | National symposium, SOCDAB Birsa Agricultural university Ranchi | 8-9 February 2007 |
| 3 | “National workshop cum training programme on biocomputing” | DBT, GOI, IVRI,Bareilly | 24-27 march 2007 |
| 4 | National workshop on optimization theory and practice, | USERC, Dehradun | KU,SSJ Campus, Almora-15-19 November 2010 |
| 5 | MGNREGA: myths and realities | ICSSR | KU,SSJ Campus, Almora-03-04 December 2010 |
| 6 | “National workshop on Right to education”, | RTC Hawalbagh, Almora | KU,SSJ Campus, Almora-26 December 2010 |
| 7 | Historical view of Mathematical implications in Information Technology | International colloquium on “history of mathematical sciences and symposium on non linear analysis”,  Indian society for history on mathematics | KU,SSJ Campus ,Almora-16-19 May 2011 |
| 8 | Open Source Information and Communication Technology (ICT) Tools for Study of Snow and  Glaciers. | Work shop on impacts of global change on the dynamics of snow, glaciers and runoff over the Himalayan mountains with particular reference to Uttarakhand, Asia pacific network for global change research Japan and UCOST | GBPIHE&D, Almora  27-28 February 2012 |
| 9 | Use of information and communication Technology in Uttarakhand Electoral Campaign | National Seminar -  Emerging trends in State politics of Uttarakhand  , Department of Political Science, DSB Campus, Almora | 29 September, 2016 |
| 10 | National Seminar  Globalization, Market and consumer rights Issues and challenges | Department of Political Science, DSB Campus, Almora | 11-12 November, 2016 |
| 11 | Participated in National workshop on Transcendental Meditation for personality development | 16- to 18 April, 2017 | Department of Yoga & Health Sciences, SSJ Campus, Almora |
| 12 | Presented paper in conference “किसानों के उत्थान के लिए ई -प्रौद्योगिकी की भूमिका” | Organized by Vivekanand Himalyee Vikas Kendra SSJ Campus Almora. | 26 September 2018 |
| 13 | Comparative analysis of computing tools for mining perfect and compound microsatellites | ICRAS-2020  Invertis University, Bareilly | 28-29, feb 2020 |
| 14 | Analysis of perfect and compound microsatellites in new Human Corona virus Genome | ICRAS-2020  Invertis University, Bareilly | 28-29, feb 2020 |

iv) Articles /review articles published in books/journals:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Title of the paper | Title of the book/journal | Editor/Publisher | Year of publication | Page No. |
| 1 | Information Technology disaster recovery plan-  Strategy and preparedness in India | Management and technology control of disasters | Editor-SN Chauhan  Publisher-  Bloomsbury India  9789382951421 | January 2013 |  |
| 2 | An Android application for poultry farm Management | Infinitude frontiers of research in Mathematics, Statistics and Computer Science | UGC-HRDC  University of Calicut | August 2016 |  |

v) Monographs/Reports (if any) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

vi) IPR Registred/Award \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Conference/Seminar organized:

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| --- | --- | --- | --- |
| Sl. No. | Status as organizer | Title of the conference/seminar | Year and dates |
|  | - | - |  |

11. Sessions chaired in Conferences/Seminars:

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Title of the seminar | Organized by | Year and dates |
|  | - | - | - |

12. Academic/Administrative positions held

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Chairman/Member/Secretary | Committee/Authority | Year (From-To) |
| 1 | Head | Department of Information Technology | 2011- continue |
| 2 | Member | Uttarakhand School Education Council | 2012-continue |

13. Membership to professional Organization/Associations:

|  |  |  |
| --- | --- | --- |
| Sl. No. | Name of the Association/Organizations | Status of the membership |
| 1 | . IAENG (Member No- 173635) | Member |
| 2 |  |  |

14. Any other Information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Nil\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of the Faculty Member