

## DEPARTMENT OF ANIMAL GENETICS AND BREEDING

### Research

#### 1. List of Research Projects Completed & Ongoing

| Sr. No. | Title of the Project                                                                                                                                                                  | Name of PI/ Major Advisor/ Research Worker                                                                | Funding Agency     | Total Cost of the project (Rs in Lakh) | Extra-mural (Funding agency)/ Intra-mural | Status (Completed/ Ongoing) | Duration                 |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------|-------------------------------------------|-----------------------------|--------------------------|
| 1       | Dissemination of technology on Berari goat rearing for rural population in five villages of two blocks in Akola district of Maharashtra through demonstration and training programme. | PI Dr. S. V. Kuralkar<br>Co-PI Dr. S. Z. Ali<br>Dr. Prajakta Kuralkar                                     | DBT, New Delhi     | Rs. 14.73 Lakhs                        | Extra-mural                               | Completed                   | 20.03.2008 to 31.03.2011 |
| 2       | Genetic characterization and diversity of Berari goat with important goat breeds using microsatellite markers.                                                                        | PI Dr. S. V. Kuralkar                                                                                     | DST, New Delhi     | Rs. 20.37 Lakhs                        | Extra-mural                               | Completed                   | 19.05.2009 to 18.05.2012 |
| 3       | Milk performance recording system for Deoni breed of cattle.                                                                                                                          | PI Dr. S. V. Kuralkar<br>Co-PI Dr. S. A. Dhaware<br>Dr. D. R. Ambulkar                                    | MLDB , Akola       | Rs. 20.00 Lakhs                        | Extra-mural                               | Completed                   | 19.11.2008 to 18.11.2011 |
| 4       | Characterization of lesser known goat populations of Maharashtra and Orissa states of India.                                                                                          | PI Dr. N. K. Verma<br>Co-PI Dr. R.A.K. Aggarwal<br>Dr. S. P. Dixit<br>Dr. S. K. Das<br>Dr. S. V. Kuralkar | ICAR-NBAGR, Karnal | Rs. 17.50 Lakhs                        | Extra-mural                               | Completed                   | 01.01.2009 to 31.12.2012 |

|    |                                                                                                          |                                                                                                                |                                   |                  |             |           |                          |
|----|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------|-------------|-----------|--------------------------|
| 5  | “Hoof affection and its effect on working ability and production performance”                            | PI- Dr R V Raulkar<br>Co-PI: Dr P S Bankar                                                                     | ATMA , Akola                      | Rs.2.00 lakhs    | Extramural  | Completed | 2014-2015                |
| 6  | Characterization and evaluation of non-descript buffalo population of India.                             | PI Dr. Vikas Vohra<br>Co-PI Dr. R. S. Kataria<br>Dr. Monika Sodhi<br>Dr. Karanveer Singh<br>Dr. S. V. Kuralkar | ICAR-NBAGR, Karnal                | Rs. 32.60 Lakhs  | Extra-mural | Completed | 01.10.2017 to 30.09.2020 |
| 7  | Identification of indigenous animal genetic resources of Maharashtra, Gujarat, Goa and Himachal Pradesh. | PI Dr. Sanjeev Singh<br>Co-PI Dr. I. Ganguly<br>Dr. S. P. Dixit<br>Dr. S. V. Kuralkar                          | ICAR-NBAGR, Karnal                | Rs. 163.80 lakhs | Extra-mural | Ongoing   | 01.08.2021 to 31.07.2025 |
| 8  | ICAR-NBAGR Network Project on Animal Genetics Resources.                                                 | PI Dr. S. V. Kuralkar<br>Co-PI Dr. P. S. Bankar<br>Dr. Prajakta Kuralkar                                       | ICAR-NBAGR, Karnal                | Rs. 24.81 lakhs  | Extra-mural | Ongoing   | 01.08.2022 to 31.07.2025 |
| 9  | “Skill Development/ Training Centre (SDC) for SC Beneficiaries”                                          | Dr.P.S.Bankar (Nodal Officer)                                                                                  | ICAR SCSP                         | Rs. 7.11 Lakhs   | Extramural  | Completed | 2019-2022                |
| 10 | “Effect of probiotic supplementation on gut health and immune response in broiler chicken”               | PI- Dr. K. Y. Deshpande<br>Co-PI Dr P S Bankar                                                                 | M/s. Bioproton Pvt Ltd, Australia | Rs. 1,53,387     | Extramural  | Completed | 2021-2022                |
| 11 | Skill Development Training Programme for                                                                 | PI Dr.P.S.Bankar                                                                                               | ATMA , Akola                      | Rs. 1.125 Lakh   | Extramural  | Completed | 7.12.2022 to 31.03.2023  |

|    |                                                                                                                    |                                                                                                             |                  |                 |             |         |                          |
|----|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------|-----------------|-------------|---------|--------------------------|
|    | Donkey farmers                                                                                                     |                                                                                                             |                  |                 |             |         |                          |
| 12 | ICAR SCSP Project on “Skill Development through Scientific Interventions in Kaikadi Donkey Farmers of Maharashtra” | PI Dr. P. S. Bankar<br>Co-PI Dr. S. V. Kuralkar<br>Dr. S. G. Deshmukh<br>Dr. S. D. Patil<br>Dr. A. P. Patil | ICAR NRCE, Hisar | Rs. 51.30 Lakhs | Extra mural | Ongoing | 17.10.2024 to 31.03.2027 |

## 2. List of Private Agency Projects Nil

## 3. Research Priorities

| Sr. No. | Research Area                                                                                                                                | Aim                                    | Objective                              | Benefits of Farmers                                                                                                           |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 1       | Genetic studies of genes responsible for production, reproduction, immunity and disease resistance traits in livestock.                      | Genetics study of various gene         | Genetics study of candidate gene       | Baseline scientific information for selection of animals                                                                      |
| 2       | Characterization of lesser known AnGR of Maharashtra                                                                                         | Registration of lesser known germplasm | Registration of lesser known germplasm | Recognition of Berari goat and Purnathadi buffalo imparted pride to their stakeholders, which initiated to form Breed society |
| 3       | Application of cutting-edge technologies in genetic improvement of livestock viz. Artificial intelligence, Transgenics, Gene-based vaccines. | Genetic improvement of Livestock       | Genetic improvement of livestock       | Dissemination of information regarding breeding management of livestock                                                       |

4. **Thesis Master : M.V.Sc.**

| Sr. No. | Name of the Student | Title of Thesis                                                                                                                                                           | Year of Completion | Name of the Advisor |
|---------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|
| 1       | K. G. Kapgate       | Genetics studies on productive efficiency of F1 Jersey crossbred under farm and field condition                                                                           | 1978               | Dr. R. T. Desai     |
| 2       | D. K. Joshi         | Studies on prediction of egg production from part production records.                                                                                                     | 1981               | Dr. S. Z. Ali       |
| 3       | V. J. Zagade        | Genetic advances for eight-week body weight from pure line selection in different broiler strains.                                                                        | 1982               | Dr. S. Z. Ali       |
| 4       | G. N. Kodilkar      | Studies on effect of age at first calving on milk production in Sahiwal and Crossbreds.                                                                                   | 1982               | Dr. S. Z. Ali       |
| 5       | A. D. Mahajan       | Studies on haemoglobin types, haematological characters and their associations with some economic traits of Broiler strains.                                              | 1984               | Dr. S. Z. Ali       |
| 6       | M. D. Dhande        | Studies on haemoglobin types, haematological characters and their association with some economic traits of Murrah and Berari buffaloes.                                   | 1985               | Dr. S. Z. Ali       |
| 7       | V. R. Ballewar      | Studies on transferrin polymorphism, haematological and biochemical constituents of blood and their association with some economic traits of Murrah and Berari buffaloes. | 1987               | Dr. S. Z. Ali       |
| 8       | P. B. Deshmukh      | Sex chromatin (Drumtick) investigation in indigenous cattle and their exotic crosses.                                                                                     | 1988               | Dr. A. R. Sirothia  |
| 9       | S. M. Duddalwar     | Construction of selection indices based on sex chromatin frequencies transferrin typing, haemoglobin typing and some economic traits of Murrah and Berari buffaloes.      | 1989               | Dr. S. Z. Ali       |
| 10      | S. W. Kamble        | Genetic studies on muzzle dermatographs of cattle                                                                                                                         | 1990               | Dr. A. R. Sirothia  |
| 11      | P. W. Jayle         | Studies on haemoglobin types and its association with some economic traits in                                                                                             | 1990               | Dr. S. Z. Ali       |

|    |                    |                                                                                                              |      |                    |
|----|--------------------|--------------------------------------------------------------------------------------------------------------|------|--------------------|
|    |                    | crossbred cows.                                                                                              |      |                    |
| 12 | Azizur Rahman      | Studies on transferrin types and its association with some economic traits in Crossbred Cows.                | 1991 | Dr. S. Z. Ali      |
| 13 | Ku. Anita B. Patil | Serum Alkaline Phosphatase activity and its association with weekly body weight in broilers.                 | 1991 | Dr. S. Z. Ali      |
| 14 | S. V. Bhende       | Chromosomal investigation of Berari buffaloes                                                                | 1991 | Dr. A. R. Sirothia |
| 15 | D. Barpujari       | Cytogenetic investigation on Berari x Murrah crossbred buffaloes.                                            | 1991 | Dr. A. R. Sirothia |
| 16 | P. A. Nagpure      | Genetic and non-genetic factors influencing the incidence of mastitis in crossbred cows.                     | 1993 | Dr. S. Z. Ali      |
| 17 | P. N. Thakur       | Cytogenetic studies pertaining to sex-chromatin anomalies on female cattle.                                  | 1994 | Dr. A. R. Sirothia |
| 18 | S. P. Dhole        | Studies on inheritance of heat tolerance in Jersey and Holstein-Friesian crossbred cows.                     | 1995 | Dr. S. Z. Ali      |
| 19 | S. R. Patil        | Studies on inheritance and heat tolerance in Berari and their crosses.                                       | 1995 | Dr. A.R.Sirothia   |
| 20 | N. H. Fuke         | Karyological studies in Purnathadi buffaloes                                                                 | 1996 | Dr. A.R.Sirothia   |
| 21 | B. M. Akotkar      | Genetics of hemoglobin types and their association with growth rate in sheep.                                | 1996 | Dr. S. Z. Ali      |
| 22 | G. N. Gaikwad      | Genetics of transferrin types and their association with growth rate in sheep.                               | 1996 | Dr. S. Z. Ali      |
| 23 | S. D. Bharambe     | Studies on hemoglobin and transferrin polymorphism and their association with some economic traits in goats. | 1998 | Dr. S. Z. Ali      |
| 24 | R. B. Nichal       | Genetic differences in susceptibility to infectious bursal disease in Chicken.                               | 1999 | Dr. S. Z. Ali      |
| 25 | U. V. Gaikwad      | Studies on twinning ability in goats.                                                                        | 1999 | Dr. S. Z. Ali      |
| 26 | Ku. Kranti Katole  | Sex chromatin investigation in Ajmeri, Jamunapari, Osmanabadi and local goats.                               | 2000 | Dr. A.R.Sirothia   |
| 27 | H. B. Banait       | Construction of multitrait selection indices in different breeds of goats.                                   | 2000 | Dr. S. Z. Ali      |
| 28 | A. N. Patel        | Inbreeding in close herds of crossbred cows and buffaloes Its association with                               | 2000 | Dr. S. Z. Ali      |

|    |                     |                                                                                                                                     |      |                    |
|----|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|
|    |                     | production traits.                                                                                                                  |      |                    |
| 29 | Ku. S. D. Chourewar | Genetic and non-genetic factors influencing incidence of reproductive disorders in crossbred cows.                                  | 2001 | Dr. S. Z. Ali      |
| 30 | M. M. Chopade       | Comparative study of F1 and F2 crossbred cows with reference to productive and reproductive traits.                                 | 2001 | Dr. S. Z. Ali      |
| 31 | S. Sajid Ali        | Comparative Progeny testing of Holstein Friesian and Jersey sires by different methods of sire evaluation.                          | 2003 | Dr. S. Z. Ali      |
| 32 | Y. B. Pujari        | Physical characteristics and productive traits of cross bred cows under livestock development programme of Mittra at CBC Kopergaon. | 2003 | Dr. S. Z. Ali      |
| 33 | S. L. Patil         | Physical characteristics and productive traits of surti buffaloes at organized farm in Maharashtra.                                 | 2004 | Dr. S. Z. Ali      |
| 34 | A. B. Motghare      | Physical characteristics and some of the economic traits of Osmanabadi goats in Vidarbha region.                                    | 2004 | Dr. S. Z. Ali      |
| 35 | S. D. Warade        | Morphometric Characters and reproductive traits of surti buffaloes at organized farm in Maharashtra.                                | 2004 | Dr. S. Z. Ali      |
| 36 | S. B. Nimbalkar     | Studies on economic traits and wool characteristics of Deccani sheep.                                                               | 2004 | Dr. S. Z. Ali      |
| 37 | S. R. Karale        | Studies on blood potassium types and its association with growth rate characteristics in broilers.                                  | 2005 | Dr. S. Z. Ali      |
| 38 | A. E. Shete         | Standardization of lactational milk yield for lactation length in crossbred cows.                                                   | 2005 | Dr. S. V. Kuralkar |
| 39 | Ku. D. N. Dawande   | Standardization of lactational milk yield for age at calving in Holstein Friesian crossbred cows.                                   | 2006 | Dr. S. V. Kuralkar |
| 40 | A. S. Kharat        | Relationship between sires estimated breeding value for first lactation & lifetime traits in Holstein Friesian crossbred cows.      | 2006 | Dr. S. V. Kuralkar |
| 41 | M. R. Hadge         | Studies on genetic parameters of some economic traits in Sahiwal and its jersey crosses.                                            | 2007 | Dr. S. V. Kuralkar |

|    |                   |                                                                                                                                                |      |                    |
|----|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|
| 42 | Ku. K. P. Kharkar | Studies on genetic parameters of some economic traits in Red Kandhari and its jersey crosses.                                                  | 2007 | Dr. S. V. Kuralkar |
| 43 | V. T. Gotarne     | Construction of multitrait sire indices in Rhode Island Red pure line chicken.                                                                 | 2007 | Dr. S. Z. Ali      |
| 44 | S. S. Kasabe      | Cytogenetic study in Berari goat.                                                                                                              | 2007 | Dr. S. Z. Ali      |
| 45 | S. B. Parate      | Molecular Characterization of Major Histocompatibility Complex class-II (BL- $\beta$ II) of Kadaknath native chicken using PCR-RFLP technique. | 2008 | Dr. S. V. Kuralkar |
| 46 | S. B. Waghaye     | Studies on incidences of clinical and subclinical mastitis in different genotypes of cows                                                      | 2009 | Dr. S. Z. Ali      |
| 47 | K. A. Hadole      | Studies On Inter-Population Genetic Differences In Japanese Quails ( <i>Coturnix Japonica</i> ) Using Microsatellite Markers                   | 2009 | Dr. S. V. Kuralkar |
| 48 | V. M. Gawali      | Genetic Characterization Of Guinea Fowl Using DNA Markers                                                                                      | 2009 | Dr. S. Z. Ali      |
| 49 | A. A. Jadhao      | Genetic polymorphism between the long term selected population and selected control population of the egg type chicken                         | 2009 | Dr. S. Z. Ali      |
| 50 | Ku. V. P. Bhise   | Genetic studies on litter size and growth parameters in two strains of laboratory rats                                                         | 2010 | Dr. S. Z. Ali      |
| 51 | Zaffar Iqbal Bhat | Molecular characterization and genetic diversity analysis of Osmanabadi breed of goat using microsatellite markers                             | 2011 | Dr. S. V. Kuralkar |
| 52 | Sapna Nath        | Molecular characterization and genetic diversity analysis of Sangamneri breed of goat using microsatellite markers                             | 2012 | Dr. S. V. Kuralkar |
| 53 | Lakshmi Sharma    | Study on Polymorphism of Fecundity Genes in Berari Breed of Goat                                                                               | 2014 | Dr. S. V. Kuralkar |
| 54 | V B Jawane        | Genetic polymorphism of $\beta$ -casein (csn2) in zebu and HF x zebu crossbreds                                                                | 2016 | Dr. Sajid Ali      |
| 55 | A S Joshi         | Study of polymorphism in $\alpha$ -lactalbumin and $\beta$ -lactoglobulin genes in Marathwadi buffalo                                          | 2016 | Dr. P. S. Bankar   |

|    |                                 |                                                                                                                            |      |                       |
|----|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|------|-----------------------|
| 56 | Panhale Mahendra<br>Arunchandra | Polymorphism study of fecundity genes (FecX <sup>B</sup> and FecX <sup>H</sup> ) in Berari goat                            | 2017 | Dr. S. V.<br>Kuralkar |
| 57 | Jilmil George                   | Study of Polymorphism of Kappa casein gene in Marathwadi and Purnathadi buffalo.                                           | 2018 | Dr. S. V.<br>Kuralkar |
| 58 | Madhuri A Kamble                | Genotyping of Nagpuri and Purnathadi buffaloes for Melanocortin 1 Receptor (MC1R) gene                                     | 2019 | Dr. S. V.<br>Kuralkar |
| 59 | Kachave Mukund<br>Ramesh        | Study of growth hormone gene polymorphism in Berari goat                                                                   | 2022 | Dr. S. V.<br>Kuralkar |
| 60 | Anup<br>PramodraoBhavekar       | Growth hormone gene polymorphism and its association with growth performance in Deccani sheep                              | 2022 | Dr. P. S.<br>Bankar   |
| 61 | More Mrunal<br>Arvind           | Study of genetic polymorphism of DGAT1 gene and its association with milk traits in Gaolao cattle                          | 2022 | Dr. S. V.<br>Kuralkar |
| 62 | KankalwarRagini<br>Govardhan    | Studies on phenotypic, characteristics, production performance and leptin gene polymorphism in local buffalo of Gadchiroli | 2023 | Dr. S. V.<br>Kuralkar |
| 63 | Shubhangi Sanjay<br>Shinde      | Studies on phenotypic, morphometric traits and HSP-70 gene polymorphism in local donkeys of Akola                          | 2023 | Dr. P. S.<br>Bankar   |
| 64 | Gholve Ajaykumar<br>Suryakant   | Studies on morphometric attributes, production performance and kappa casein gene polymorphism in Khamgaon cattle           | 2023 | Dr. S. V.<br>Kuralkar |
| 65 | Rahul Rupesh<br>Chavhan         | Studies on phenotypic characterization and HSP-70 gene polymorphism in Khamgaon cattle                                     | 2023 | Dr. P. S.<br>Bankar   |
| 66 | Avhad Radhika<br>Maruti         | Study of Kappa casein and DGAT1 gene polymorphisms in Belona buffalo                                                       | 2024 | Dr. P. S.<br>Bankar   |



**Doctoral Ph. D.**

| Sr. No. | Name of the Student | Title of Thesis                                                                                                                            | Year of Completion | Name of the Advisor |
|---------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|
| 1       | S. Z. Ali           | Studies on blood groups and their associations with some of the economic traits in layers and broilers.                                    | 1991               | Dr. S. N. Deshmukh  |
| 2       | S.N. Gumble         | Evaluation of 'V' strain of White Leghorn selected over six generations and its comparison under random mating                             | 1991               | Dr. R. N. Deb       |
| 3       | Ku. K.P.Kharkar     | Studies on molecular, morphological, phenotypic characterization and productive, reproductive performance of Berari goats                  | 2011               | Dr. S. V. Kuralkar  |
| 4       | A. B. Motghare      | Comparative evaluation of indigenous and improved Guinea Fowl populations by biometrical, immunological and molecular genetical approaches | 2014               | Dr. S. V. Kuralkar  |
| 5       | Syed Sajid Ali      | Genetic Diversity Analysis in Purnathadi buffalo and its comparison with Marathwadi and Nagpuri buffaloes.                                 | 2020               | Dr. S. V. Kuralkar  |
| 6       | P. S. Bankar        | Study of polymorphism in candidate milk protein genes and their association with milk traits in Gaolao breed of cattle                     | 2020               | Dr. S. V. Kuralkar  |

**5. Research Papers Published**  
**List of Research Publications**

| Sr. No. | Authors                                                             | Year | Title of the Research Paper                                                                               | Name of the Journal                                         | Volume; Page Nos. | NAAS Rating, if any |
|---------|---------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------|---------------------|
| 1       | Patel A N,<br>Ali S Z and<br>Kuralkar S V                           | 2001 | Influence of inbreeding and effective population size on performance traits in closed herd of buffaloes.  | <i>Indian Journal of Animal Sciences</i>                    | 71807-09          | 6.40                |
| 2       | Banait H B,<br>Ali S Z and<br>Kuralkar S V                          | 2002 | Variation in body conformation traits in different breeds of goats                                        | <i>Indian Veterinary Journal</i>                            | 79591-94          | 4.99                |
| 3       | Varade P K,<br>Khire D W,<br>Ali S Z and<br>Kuralkar S V            | 2002 | Effect of Genetic and non Genetic factors on productive and reproductive traits in Jersey crossbred cows. | <i>Indian Journal of Animal Production &amp; Management</i> | 1838-40           | 2.51                |
| 4       | ChourewarSangeeta,<br>Ali S Z and Kuralkar S V                      | 2002 | Genetic and non-genetic factors influencing incidence of reproductive disorders in crossbred cows.        | <i>Indian Journal of Animal Sciences</i>                    | 72604-06          | 6.40                |
| 5       | ChourewarSangeeta,<br>Ali S Z and Kuralkar S V                      | 2002 | Incidence of reproductive disorders in crossbred cows.                                                    | <i>Indian Journal of Dairy Science</i>                      | 55313-15          | 5.24                |
| 6       | Chopade M M,<br>Ali S Z and<br>Kuralkar S V                         | 2002 | Comparative study of F1 and F2 crossbred cows with reference to productive traits.                        | <i>Indian Journal of Animal Sciences</i>                    | 72916-17          | 6.40                |
| 7       | Kuralkar S V,<br>Ali S Z and<br>Takarkhede R C                      | 2002 | Kidding and growth patterns of kids under organized farm conditions.                                      | <i>Indian Journal of Small Ruminant</i>                     | 8149-152          | 5.11                |
| 8       | Charjan Prajakta,<br>Mangle N S,<br>Kalorey D R and<br>Kuralkar S V | 2003 | Levels of total whey protein and immunoglobulin in udder health status of cow.                            | <i>Indian Veterinary Journal</i>                            | 8070-71           | 4.99                |
| 9       | Kuralkar S V,<br>Ali S Z and<br>Charjan P Y                         | 2003 | Performance of Gaolao crossbreed in Vidarbha climatic conditions.                                         | <i>Indian Veterinary Journal</i>                            | 80186-87          | 4.99                |
| 10      | Pujari Y B, Ali S Z,                                                | 2004 | Body conformation traits and their                                                                        | <i>Indian Journal of Small Ruminants</i>                    | 10169-170         | 5.11                |

|    |                                                                     |                                  |                                                                                                                                                                     |                                                             |            |      |
|----|---------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|------|
|    | Kuralkar S V and Ali S Sajid                                        |                                  | inheritance in Berari goat.                                                                                                                                         |                                                             |            |      |
| 11 | Bane K B, Takarkhede R C, Sahatpure S K, Kuralkar S V and Bonde S W | 2004                             | Effect of different glycerol levels in tris egg yolk citrate diluent on freezability of buck semen                                                                  | <i>Indian Journal of Animal Sciences</i>                    | 74741-42   | 6.40 |
| 12 | Dhuddalwar S M, Ali S Z, Kuralkar S V and Ali S Sajid               | 2004                             | Construction of selection indices based on sex chromatin frequencies, transferrin typing, hemoglobin typing and some economic traits in Murrah and Berari Buffaloes | <i>Indian Veterinary Journal</i>                            | 811111-15  | 4.99 |
| 13 | Ali S Sajid, Ali S Z and Kuralkar S V                               | 2002 (Published in October 2004) | Genetic studies on economic traits in Holstein Friesian and Jersey crossbred cows.                                                                                  | <i>Indian Journal of Animal Production &amp; Management</i> | 18 159-161 | 2.51 |
| 14 | Dhuddalwar S M, Ali S Z, Kuralkar S V and Ali S Sajid               | 2004                             | Correlation of biochemical polymorphism and sex chromatin with production and reproduction traits in buffaloes                                                      | <i>Indian Veterinary Journal</i>                            | 811224-28  | 4.99 |
| 15 | Ali S Sajid, Ali S Z and Kuralkar S V                               | 2004                             | Comparative progeny testing of HF and Jersey sires by different sire evaluation methods.                                                                            | <i>Indian Veterinary Journal</i>                            | 811348-51  | 4.99 |
| 16 | Varade P K, Khire D W, Ali S Z and Kuralkar S V                     | 2004                             | Reproductive and productive performance of Jersey crossbred cows                                                                                                    | <i>Indian Veterinary Journal</i>                            | 811415-16  | 4.99 |
| 17 | Varade P K, Khire D W, Ali S Z and Kuralkar S V                     | 2005                             | Selection indices for genetic improvement of Jersey crossbred cows                                                                                                  | <i>Indian Veterinary Journal</i>                            | 8239-41    | 4.99 |
| 18 | Kuralkar S V, Ali S Z and Takarkhede R C                            | 2005                             | Factors influencing mortality rate in crossbred calves                                                                                                              | <i>Indian Veterinary Journal</i>                            | 82390-93   | 4.99 |
| 19 | Nimbalkar S B, Ali S Z and Kuralkar S V                             | 2005                             | Genetic influence on wool characteristic of Deccani sheep.                                                                                                          | <i>Indian Journal of Small Ruminant</i>                     | 1172-74    | 5.11 |

|    |                                                                                   |      |                                                                                                       |                                                             |          |      |
|----|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------|------|
| 20 | Motghare A B<br>Ali S Z and<br>Kuralkar S V                                       | 2005 | Physical characteristics of Osmanabadi goats maintained in Vidarbha region.                           | <i>Indian Journal of Small Ruminant</i>                     | 1175-76  | 5.11 |
| 21 | Bane K B,<br>Takarkhede R C,<br>Sahatpure S K,<br>Kuralkar S V and<br>Mangle N S  | 2005 | Effect of different glycerol levels in egg yolk citrate diluent on freezability of buck semen         | <i>Indian Veterinary Journal</i>                            | 82507-09 | 4.99 |
| 22 | Takarkhede R C,<br>Bane K B,<br>Kuralkar S V,<br>Kolte A Y and<br>Sahatpure S K   | 2005 | Effect of storage at refrigerator temperature on buck semen diluted in tris egg yolk citrate diluent. | <i>Indian Veterinary Journal</i>                            | 82564    | 4.99 |
| 23 | Londhe P B,<br>Takarkhede R C,<br>Sahatpure S K,<br>Kuralkar S V and<br>Kolte A Y | 2005 | Effect of different glycerol levels in egg-yolk-citrate diluent on freezability of ram semen.         | <i>Indian Veterinary Journal</i>                            | 82634-36 | 4.99 |
| 24 | Sahatpure S K,<br>Khillare K P and<br>Kuralkar S V                                | 2005 | Effect of season on synchronization of oestrus in Murrah buffaloes under saline tracts.               | <i>Veterinary World</i>                                     | 437-39   | 7.60 |
| 25 | Motghare A B,<br>Ali S Z and<br>Kuralkar S V                                      | 2006 | Correlation coefficient between body measurement and predication of body weight in Osmanabadi goats.  | <i>Indian Veterinary Journal</i>                            | 83793-94 | 4.99 |
| 26 | Motghare A B<br>Ali S Z and<br>Kuralkar S V                                       | 2004 | Growth characteristic and Body measurement of Osmanabadi goats.                                       | <i>Indian Journal of Animal Production &amp; Management</i> | 2044-46  | 2.51 |
| 27 | Patil S L,<br>Ali S Z and<br>Kuralkar S V                                         | 2004 | Physical characteristics of Surti buffaloes at organized farm in Maharashtra.                         | <i>Indian Journal of Animal Production &amp; Management</i> | 2060-62  | 2.51 |
| 28 | Chopade M M,<br>Ali S Z and<br>Kuralkar S V                                       | 2004 | Comparative performance of F1 and F2 crossbred cows with respect to reproductive traits.              | <i>Indian Journal of Animal Production &amp; Management</i> | 2080-82  | 2.51 |
| 29 | Kuralkar S V and<br>Ali S Z                                                       | 2004 | Mortality pattern in crossbred cattles at organized farm.                                             | <i>Indian Journal of Animal Production &amp; Management</i> | 2044-46  | 2.51 |
| 30 | Kuralkar S V                                                                      | 2006 | Domestication of                                                                                      | <i>Veterinary World</i>                                     | 4306-308 | 7.60 |

|    |                                                                                                      |      |                                                                                                                         |                                              |           |      |
|----|------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------|------|
|    | &Sahatpure S K                                                                                       |      | Animals                                                                                                                 |                                              |           |      |
| 31 | Karale S R,<br>Ali S Z and<br>Kuralkar S V                                                           | 2007 | Cellular component<br>potassium types and<br>its correlation with<br>body weight in<br>broilers                         | <i>Indian Journal of<br/>Poultry Science</i> | 42198-99  | 5.30 |
| 32 | Sahatpure S K,<br>Patil M S,<br>Kuralkar S V<br>&Takarkhede R C                                      | 2007 | Co-culture systems<br>for In Vitro embryo<br>production-A Review                                                        | <i>Veterinary World</i>                      | 5306-308  | 7.60 |
| 33 | Patil S L,<br>Ali S Z and<br>Kuralkar S V                                                            | 2008 | Correlation<br>coefficient between<br>various production<br>traits in Surti<br>buffaloes                                | <i>Indian<br/>Veterinary<br/>Journal</i>     | 85336     | 4.99 |
| 34 | Razzaque WA A,<br>Sahatpure S K,<br>Pawshe C H and<br>Kuralkar S V                                   | 2008 | Biometry of ovaries<br>and follicular count in<br>cycling and non-<br>cycling Nagpuri<br>buffaloes (Bubalis<br>Bubalis) | <i>Buffalo Bulletin</i>                      | 27150-53  | 6.20 |
| 35 | Shete A E,<br>Kuralkar S V &<br>Ali S Z                                                              | 2008 | Standardization of<br>lactational milk yield<br>for lactation length in<br>Jersey halfbred cows                         | <i>Indian<br/>Veterinary<br/>Journal</i>     | 85613-616 | 4.99 |
| 36 | Ghorpade Perna,<br>Barmase B S,<br>Kuralkar S V &<br>Ambulkar D R                                    | 2008 | Effect of different<br>housing system and<br>stocking density on<br>growth performance<br>of broilers.                  | <i>Indian Journal of<br/>Poultry Science</i> | 4383-87   | 5.30 |
| 37 | Ghorpade Perna,<br>Barmase B S,<br>Ambulkar D R &<br>Kuralkar S V                                    | 2008 | Effect of different<br>housing system and<br>stocking density on<br>behaviour pattern of<br>broilers.                   | <i>Indian Journal of<br/>Poultry Science</i> | 43116-19  | 5.30 |
| 38 | Kharat A S,<br>Kuralkar S V &<br>Ali. S Z                                                            | 2008 | Genetics studies on<br>first lactation and<br>lifetime traits in<br>Holstein Friesian<br>crossbred cows.                | <i>Indian Journal of<br/>Animal Research</i> | 42261-63  | 6.50 |
| 39 | Sawaimul A D,<br>Ghule S S,<br>Ali S Z,<br>Kuralkar S V,<br>Sahare M G,<br>Patil L V &Hadge<br>M. R. | 2009 | Status of dog owners<br>in Amravati region of<br>Maharashtra.                                                           | <i>Veterinary World</i>                      | 2108      | 7.60 |
| 40 | Kharat A S,<br>Kuralkar S V<br>&Ali S Z                                                              | 2009 | Relationship between<br>sires estimated<br>breeding values for                                                          | <i>Indian Journal of<br/>Animal Research</i> | 4359-61   | 6.50 |

|    |                                                                                                              |      |                                                                                                 |                                          |           |      |
|----|--------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------|------------------------------------------|-----------|------|
|    |                                                                                                              |      | first lactation and lifetime traits in Holstein Friesian crossbred cows.                        |                                          |           |      |
| 41 | Hadge M R,<br>Kuralkar S V,<br>Ali S Z &Kharkar<br>K P                                                       | 2009 | Performance of Sahiwal and its Jersey crosses for reproductive traits in different lactations.  | <i>Indian Journal of Animal Research</i> | 4375-76.  | 6.50 |
| 42 | Chimote M J,<br>Barmase B S,<br>Raut A S, Dhok<br>A P & Kuralkar S<br>V                                      | 2009 | Efficacy of feeding yeast and acidifier on performance of Japanese quails.                      | <i>Veterinary World</i>                  | 2185-86   | 7.60 |
| 43 | Chimote M J,<br>Barmase B S,<br>Raut A S, Dhok<br>A P & Kuralkar S<br>V                                      | 2009 | Effect of supplementation of probiotic and enzymes on performance of Japanese quails.           | <i>Veterinary World</i>                  | 2219-20   | 7.60 |
| 44 | Kadam Yogita,<br>Waghmare S P,<br>Kolte A Y,<br>Mode S G,<br>Pathak V P,<br>Takarkhede R C<br>& Kuralkar S V | 2009 | Efficacy of oral Ivermectin and Closentel against haemonchosis in sheep.                        | <i>Indian Veterinary Journal</i>         | 86633-34  | 4.99 |
| 45 | Kasabe S S,<br>Ali S Z,<br>Sawane M P &<br>Kuralkar S V                                                      | 2009 | Chromosome morphology of Berari goats with special reference to mitotic drive and mitotic index | <i>Indian Journal of Small Ruminant</i>  | 17 11-13. | 5.11 |
| 46 | Kuralkar Prajakta<br>& Kuralkar S V                                                                          | 2010 | Nutritional and immunological importance of colostrum for the new born                          | <i>Veterinary World</i>                  | 346-47    | 7.60 |
| 47 | Bhise Vrushali,<br>Ali S Z and<br>Kuralkar S V                                                               | 2012 | Growth parameters in laboratory rats                                                            | <i>Indian Veterinary Journal</i>         | 8987-88   | 4.99 |
| 48 | Hadge M R<br>Kuralkar S V,<br>Ali S Z, Kharkar<br>K P &Sawaimul A<br>D                                       | 2012 | Genetics studies on productive traits of Sahiwal and Sahiwal X Jersey crossbred cows            | <i>Indian Journal of Animal Research</i> | 4692-94.  | 6.50 |
| 49 | Motghare A B,<br>Kuralkar S V &<br>Sharma Deepak                                                             | 2013 | Comparative evaluation of long term selected guinea fowl for high juvenile body weight and an   | <i>Indian Journal of Poultry Science</i> | 48244-46  | 5.30 |

|    |                                                                                                    |      |                                                                                                                           |                                                           |                |      |
|----|----------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|------|
|    |                                                                                                    |      | indigenous guinea fowl population for general immune-competence                                                           |                                                           |                |      |
| 50 | Bhat Z I,<br>Kuralkar S V,<br>Kharkar Kranti<br>&Kuralkar<br>Prajakta                              | 2013 | Genetics analysis of<br>Osmanabadi goat<br>breed                                                                          | <i>Indian Journal of<br/>Animal Sciences</i>              | 83 768-71      | 6.40 |
| 51 | Mishra P,<br>Ali A S,<br>Kuralkar S V,<br>Dixit S P,<br>Aggarwal R A K,<br>Dangi P S &<br>Verma NK | 2013 | Analysis of genetic<br>diversity of Berari<br>goat population of<br>Maharashtra state                                     | <i>Iranian Journal<br/>of Applied<br/>Animal Sciences</i> | 3 553-559      | 6.85 |
| 52 | Kuralkar Prajakta,<br>Dhenge S A &<br>Kuralkar S V                                                 | 2013 | Haematological<br>profile of Purnathadi<br>strain of Nagpuri<br>buffalo                                                   | <i>Indian Journal of<br/>Field<br/>Veterinarian</i>       | 975-76         | 5.25 |
| 53 | Kuralkar S V,<br>Verma N K,<br>Kharkar Kranti<br>&Kuralkar<br>Prajakta                             | 2013 | Berari goats<br>Characterization,<br>management,<br>performance and<br>population status                                  | <i>Indian Journal of<br/>Animal Sciences</i>              | 83 1292-<br>98 | 6.40 |
| 54 | Kuralkar S V,<br>Bankar P S,<br>Chopade M M,<br>Kuralkar Prajakta<br>&Dhaware S A                  | 2014 | Phenotypic<br>characteristics,<br>production and<br>reproduction<br>performance of Deoni<br>cattle in its native<br>tract | <i>Indian Journal of<br/>Animal Sciences</i>              | 84 75-77       | 6.40 |
| 55 | Nath Sapna,<br>Kuralkar S V,<br>Waquar Khan,<br>Kharkar Kranti &<br>Kuralkar Prajakta              | 2014 | Genetic diversity<br>analysis of<br>Sangamneri goat                                                                       | <i>Indian Journal of<br/>Animal Sciences</i>              | 84 212-<br>215 | 6.40 |
| 56 | Kharkar Kranti,<br>Kuralkar S V &<br>Kuralkar Prajakta                                             | 2014 | Growth, Production<br>and reproduction<br>performance of Berari<br>goat in their native<br>tract                          | <i>Indian Journal of<br/>Small Ruminant</i>               | 20 12-15       | 5.11 |
| 57 | Kharkar Kranti,<br>Kuralkar S V<br>Kuralkar Prajakta<br>Bankar P S,<br>Chopade M<br>M&Hadole K A   | 2014 | Factors affecting body<br>weight and<br>morphometric<br>characters of Berari<br>goat.                                     | <i>Indian Journal of<br/>Small Ruminant</i>               | 20 112-14      | 5.11 |
| 58 | Kuralkar Prajakta,<br>Dhenge S A                                                                   | 2014 | Physiological profile in<br>neonate calves of                                                                             | <i>Indian Journal of<br/>Field</i>                        | 1045-47        | 5.25 |

|    |                                                                                                                                       |      |                                                                                                       |                                                                              |                  |      |
|----|---------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------|------|
|    | Nagare S M &<br>Kuralkar S V                                                                                                          |      | urnathadi buffaloes.                                                                                  | <i>Veterinarian</i>                                                          |                  |      |
| 59 | Kuralkar Prajakta,<br>Dhenge S A &<br>Kuralkar S V                                                                                    | 2015 | Study on<br>haematological<br>parameters in Berari<br>goat                                            | <i>Indian Journal of<br/>Veterinary<br/>Sciences &amp;<br/>Biotechnology</i> | 11 30-31         | 5.25 |
| 60 | KharkarKranti ,<br>Kuralkar S V &<br>Kuralkar Prajakta                                                                                | 2015 | Molecular genetics<br>characterization of<br>Berari breed of goat<br>using microsatellite<br>markers. | <i>Indian Journal of<br/>Animal Research</i>                                 | 49426-428        | 6.50 |
| 61 | KharkarKranti ,<br>Kuralkar S V<br>&Hadge M R                                                                                         | 2015 | Productive<br>performance of Red<br>Khandari and its<br>Jersey crosses in<br>different lactations.    | <i>Indian Journal of<br/>Animal Research</i>                                 | 49599-601        | 6.50 |
| 62 | Kuralkar S V,<br>Kuralkar Prajakta<br>Bankar P S,<br>Chopade M<br>M&Dhaware S A                                                       | 2015 | Status, management<br>practices and<br>performance in three<br>strains of Deoni breed<br>of cattle.   | <i>Indian Journal of<br/>Animal Research</i>                                 | 49752-756        | 6.50 |
| 63 | Kuralkar S V,<br>Kuralkar Prajakta<br>&Kharkar Kranti                                                                                 | 2016 | Genetic diversity and<br>relationship among<br>three goat breed of<br>Maharashtra state of<br>India   | <i>Indian Journal of<br/>Animal Sciences</i>                                 | 86 91-94         | 6.40 |
| 64 | Sharma Lakshmi,<br>Kuralkar S V,<br>Ali Sajid S<br>Bankar P S &<br>Kuralkar Prajakta                                                  | 2016 | Polymorphism study<br>of BMPR-1B and<br>BMP-15 gene in<br>Berari goat                                 | <i>The Indian<br/>Journal of Small<br/>Ruminants</i>                         | 22 230-<br>233   | 5.11 |
| 65 | HadoleA,<br>Mishra S K,<br>Khan A A<br>,Kuralkar S V,<br>Ali. S Z,<br>Pratap S O &<br>Raj Narayan                                     | 2016 | Diversity analysis in<br>two defined strain of<br>Japanese quails using<br>microsatellite markers     | <i>Indian Journal of<br/>Poultry Science</i>                                 | 5110-14          | 5.30 |
| 66 | Manwar S J,<br>Rekhate D H,<br>Joshi M V,<br>Waghmare S P,<br>Kuralkar S V,<br>Saxena M J,<br>RavikantK,<br>Maini S &<br>Chaudhary A. | 2016 | Production Traits<br>Optimization with<br>Polyherbal<br>Performance<br>Enhancer in Layer<br>Birds     | <i>International<br/>Journal of<br/>Livestock<br/>Research</i>               | 6 (12) 27-<br>33 | 4.31 |
| 67 | Deshmukh S G,<br>Ingawale M V,<br>Birade H S,                                                                                         | 2017 | Effect of diaetry<br>supplementation of<br>crushed faxseed and                                        | <i>Indian Journal of<br/>Veterinary<br/>Sciences</i>                         | 12 118-<br>123   | 5.25 |



|    |                                                                                                                        |      |                                                                                                                                                       |                                                                                     |                     |      |
|----|------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|------|
|    | Thorat M G,<br>Kuralkar S V,<br>Rekhate D H,<br>Mode S G<br>& Chepte S D                                               |      | soyabesn oil on<br>ovarian functions in<br>postpartum Jaersey<br>crossbred cows.                                                                      | <i>&amp;Biotechnology</i>                                                           |                     |      |
| 68 | Hirole P D,<br>Deshmukh S G,<br>Ingawale M V,<br>Thorat M G,<br>Kuralkar S V and<br>Ratnaparkhi A R                    | 2017 | Fertility improvement<br>by presynch protocol<br>in postpartum dairy<br>cows                                                                          | <i>International<br/>Journal of<br/>Science,<br/>Environment and<br/>Technology</i> | 6 (6)<br>3354-3361  | 4.17 |
| 69 | KhoseKakasaheb,<br>Manwar Satish,<br>Dhore Ravindra,<br>Kuralkar<br>Shailendra &<br>Waghmare Sunil                     | 2017 | Effect of feeding corn<br>distillers dried grains<br>with<br>Solubles and enzyme<br>supplementation on<br>immune response and<br>nutrient utilization | <i>International<br/>Journal of<br/>Science,<br/>Environment and<br/>Technology</i> | 6 (6)<br>3460-3468  | 4.17 |
| 70 | Khose K K,<br>Manwar S J,<br>Dhore R N,<br>Kuralkar S V &<br>Waghmare S P                                              | 2017 | Effect of feeding<br>sorghum distillers<br>dried grains with<br>Solubles and enzyme<br>supplementation on<br>performance of broiler<br>chickens       | <i>Chemical<br/>Science Review<br/>and Letters</i>                                  | 6 (24)<br>2413-2420 | 4.87 |
| 71 | Khose K K,<br>Manwar S J,<br>Dhore R N,<br>Kuralkar S V &<br>Waghmare S P                                              | 2018 | Feeding Corn<br>Distillers Dried<br>Grains with Solubles<br>and Enzyme<br>Supplementation on<br>Performance of<br>Broiler Chicken                     | <i>International<br/>Journal of<br/>Livestock<br/>Research</i>                      | 8 (5) 220-<br>228   | 4.31 |
| 72 | Dalvil V B,<br>Ingawale M V,<br>Deshmukh S G,<br>Kuralkar S V,<br>Bankar P S, Ali S<br>S, Ingole R S and<br>Hajare S W | 2018 | Association of FSH<br>beta Gene<br>Polymorphism on<br>Testicular Parameters<br>and Semen Quality in<br>HF and Jersey<br>Crossbred Bulls               | <i>International<br/>Journal of<br/>Livestock<br/>Research</i>                      | 8 (6) 41-<br>47     | 4.31 |
| 73 | Hedau Madhuri,<br>Ingole R S,<br>Hajare S W,<br>Ingawale M V,<br>Kuralkar S V and<br>Manwar S J                        | 2018 | Histopathological<br>alterations in<br>individual and<br>combined toxicity<br>of chlorpyrifos and<br>acetamiprid in broilers                          | <i>Indian Journal of<br/>Veterinary<br/>Pathology</i>                               | 42(2)<br>109-112.   | 4.97 |
| 74 | Panhale M A,<br>Kuralkar S V,<br>Ali Sajid S<br>Bankar P S<br>Kuralkar Prajakta                                        | 2018 | Absence of<br>polymorphism of<br>fecundity genes<br>( <i>Fecx<sup>b</sup></i> And <i>Fecx<sup>h</sup></i> ) In<br>Berari goats                        | <i>Indian Journal of<br/>Small Ruminant</i>                                         | 24 (2)<br>334-337   | 5.11 |

|    |                                                                                                                           |      |                                                                                                                                                               |                                                                                     |                    |      |
|----|---------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|------|
|    | & Deshmukh S G                                                                                                            |      |                                                                                                                                                               |                                                                                     |                    |      |
| 75 | Bankar P S,<br>Kuralkar S V,<br>Dhore R N,<br>Ingawale M. V. &<br>Ali s Sajid                                             | 2018 | Impact of Kappa<br>casein gene<br>polymorphism on<br>milk component of<br>Gaolao cattle                                                                       | <i>International<br/>Journal of<br/>Science,<br/>Environment and<br/>Technology</i> | 7(5) 1520-<br>1527 | 4.17 |
| 76 | Jawane V B, Ali<br>Sajid S, Kuralkar<br>S V and Bankar P<br>S                                                             | 2018 | Genetic<br>polymorphism of $\beta$ -<br>casein (CSN2) in<br>Indian Zebu and HF<br>crossbreds                                                                  | <i>Indian Journal of<br/>Dairy Science</i>                                          | 71(5) 530-<br>533  | 5.24 |
| 77 | Kuralkar Prajakta,<br>Denge S A,<br>Kuralkar S V                                                                          | 2018 | Age related changes<br>in heamatology and<br>plasma biochemical<br>profile in Purnathadi<br>buffalo.                                                          | <i>Buffalo Bulletin</i>                                                             | 37 (3)291-<br>296  | 6.20 |
| 78 | Wade M R,<br>Manwar S J,<br>Kuralkar S V<br>Waghmare S P<br>Ingle V C<br>&Hajare S W                                      | 2018 | Effect of Dietary<br>Thyme Essential Oil<br>on Carcass Parameter<br>of Broiler Chickens                                                                       | <i>Chemical<br/>Science Review<br/>and Letters</i>                                  | 7(26)<br>669-672   | 4.87 |
| 79 | Hirole P D,<br>Deshmukh S G,<br>Ingawale M V,<br>Kuralkar S V,<br>Thorat M G,<br>Ratnaparkhi A R<br>and Godbolr P V       | 2018 | Comparative Efficacy<br>of Two Different<br>Synchronization<br>Protocol in<br>Postpartum Dairy<br>Cows                                                        | <i>International<br/>Journal of<br/>Livestock<br/>Research</i>                      | 8 (11)<br>283-289  | 4.31 |
| 80 | Chougule A J<br>Wade M R,<br>Manwar S J,<br>Kuralkar S V<br>Khose K<br>K&Hedau<br>Madhuri                                 | 2018 | Effect of<br>supplementation heat<br>stress alleviating<br>agents on growth<br>performance of<br>broilers subjected to<br>heat stress                         | <i>Indian Journal of<br/>Poultry Science</i>                                        | 53 (1) 82-<br>87   | 5.30 |
| 81 | Bhojane N M,<br>Ingole R S,<br>Hajare S W,<br>Kuralkar S V,<br>Waghmare S P<br>Rathod P R<br>Manwar S J and<br>Khodke M V | 2018 | Individual and<br>Combined Effect of<br>Indoxacarb and<br>Glyphosate on<br>Biochemical<br>Alterations in<br>Japanese Quails<br>(CuturnixCuturnix<br>Japonica) | <i>Chemical<br/>Science Review<br/>and Letters</i>                                  | 7(25)<br>190-200   | 4.87 |
| 82 | George Jilmil,<br>Kuralkar S V,<br>Ali Sajid S<br>Bankar P S<br>Kuralkar Prajakta                                         | 2018 | Study of<br>polymorphism of<br>kappa casein genes in<br>Marathwadi and<br>Purnathadi buffalo                                                                  | <i>Ruminant<br/>Science</i>                                                         | 7(2) 213-<br>2015  | 4.45 |

|    |                                                                                                                                   |      |                                                                                                                                                                                    |                                                                          |                      |      |
|----|-----------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------|------|
|    | & Deshmukh S G                                                                                                                    |      |                                                                                                                                                                                    |                                                                          |                      |      |
| 83 | Shinde Gayatri,<br>Ingawale Mahesh,<br>Kuralkar<br>Shailendra,<br>Bankar Pravin,<br>Ali Sajid,<br>Hajare Sunil,<br>Ingole Ranjeet | 2019 | Follicle stimulating<br>hormone receptor<br>gene polymorphism<br>and its association<br>with fecundity in<br>goats                                                                 | <i>Indian Journal of<br/>Animal Sciences</i>                             | 89(7) 798-<br>800    | 6.40 |
| 84 | Farheen Fani,<br>Thorat M G,<br>Upadhye S V,<br>Kuralkar S V,<br>Waghmare S P,<br>Dhore R N,<br>Joshi M V<br>and Chepte S D       | 2019 | Clinico-physiological<br>and haemato-<br>biochemical<br>alterations in non-<br>penetrating foreign<br>body syndrome with<br>reference to the<br>percentage of plastic<br>in cattle | International<br>Journal of<br>Science,<br>Environment and<br>Technology | 8 (4) 882-<br>895    | 4.17 |
| 85 | Iyer K B,<br>Ingawale M V,<br>Kuralkar S V,<br>Ali Sajid<br>Ingole R S<br>Hajare S W and<br>Pawshet C H                           | 2019 | Association of GnRH<br>receptor gene<br>polymorphism on<br>testicular parameters<br>and semen quality in<br>HF crossbred bulls                                                     | <i>Indian Journal of<br/>Animal Research</i>                             | 53(9)<br>1140-1143   | 6.50 |
| 86 | Ingole R S,<br>Joshi M V,<br>Hajare S W,<br>Ingawale M V,<br>Kuralkar S V                                                         | 2019 | Effect of water<br>salinity on<br>haematological<br>parameters of rat                                                                                                              | <i>Indian Journal of<br/>Veterinary<br/>Pathology</i>                    | 43(2) 140-<br>143    | 4.97 |
| 87 | Ali Sajid,<br>Kuralkar S V,<br>Ingawale M V,<br>Waghmare S P,<br>Manwar S J,<br>Kaatria R S and<br>Vohra Vikas                    | 2019 | Phenotypic<br>characterization,<br>management and<br>socio-economic<br>impact of Purnathadi<br>buffalo.                                                                            | <i>Indian Journal of<br/>Animal Sciences</i>                             | 89(7) 798-<br>800    | 6.40 |
| 88 | Sahu A C,<br>Manwar S J,<br>Goley M A,<br>Khose K K,<br>Wade M R and<br>Kuralkar S V                                              | 2019 | Effect of lemon and<br>orange peel essential<br>oils on performance<br>of broiler<br>chickens during<br>summer                                                                     | <i>Indian Journal of<br/>Poultry Science</i>                             | 54(2) 139-<br>145    | 5.30 |
| 89 | Ali S Sajid,<br>Kuralkar S V,<br>Das Ramendra,<br>Raina Virender,<br>Kataria R S and<br>Vohra Vikas                               | 2021 | Assessment of<br>Genetic Diversity and<br>Bottleneck in<br>Purnathadi Buffaloes<br>using Short Tandem<br>Repeat Markers                                                            | <i>Animal<br/>Biotechnology</i>                                          | 32(4) pp.<br>495-506 | 9.70 |
| 90 | Joshi Akshay,                                                                                                                     | 2019 | Genetic                                                                                                                                                                            | <i>Ruminant</i>                                                          | 8(2) 205-            | 4.45 |

|    |                                                                                                                                                    |      |                                                                                                                                                                          |                                                                              |                   |       |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------|-------|
|    | Bankar P S<br>Kuralkar S V,<br>Ali Sajid S<br>Kuralkar Prajakta<br>& Deshmukh S G                                                                  |      | polymorphism of<br>alpha-lactalbumin and<br>beta-lactoglobulin<br>genes in Marathwadi<br>buffalo                                                                         | <i>Science</i>                                                               | 208               |       |
| 91 | Gole M A,<br>Manwar S J,<br>Kuralkar S V,<br>Waghmare S P,<br>Hajare S W                                                                           | 2020 | Effect of dietary<br>supplementation of<br>organic acids and<br>clove essential oil on<br>broiler performance                                                            | <i>Indian Journal of<br/>Poultry Science</i>                                 | 55(1)23-<br>30    | 5.30  |
| 92 | Harshada Game,<br>Waghmare S P,<br>Pajai K S,<br>Kuralkar S V,<br>Hatzade R I and<br>Katre Radha                                                   | 2020 | Comparative efficacy<br>of imidocarb<br>dipropionate and<br>oxytetracycline-<br>doxycycline<br>combination therapy<br>in Eerlichia infected<br>dogs                      | <i>International<br/>Journal of<br/>Livestock<br/>Research, Vol..</i>        | 10 (9) 74-<br>80  | 4.31  |
| 93 | Ratnaparkhi A R,<br>Deshmukh S G,<br>Pawshe C H,<br>Ingawale M V,<br>Thorat M G,<br>Kuralkar S V,<br>Patil M S,<br>Bhikane A U and<br>Waghmare S P | 2021 | Effect of Dietary<br>Supplementation of<br>Crushed Soybean and<br>Flaxseed on Estrus<br>Attributes in<br>Postpartum Crossbred<br>Cows                                    | <i>Indian Journal of<br/>Veterinary<br/>Sciences &amp;<br/>Biotechnology</i> | 17 (1) 79-<br>81. | 5.25  |
| 94 | Kuralkar Prajakta,<br>Kuralkar S. V.                                                                                                               | 2021 | Role of herbal<br>products in animal<br>production                                                                                                                       | <i>Journal of<br/>Ethno-<br/>pharmacology,</i>                               | 278,<br>114246    | 11.40 |
| 95 | Khose K K,<br>Manwar S J,<br>Joshi M V,<br>Kuralkar S V<br>Gole M A and<br>Wade M R                                                                | 2021 | Effect of dietary rice<br>distillers dried grains<br>with solubles and<br>enzyme<br>supplementation on<br>growth performance<br>and immune status in<br>broiler chickens | <i>Indian Journal of<br/>Poultry Science</i>                                 | 56(2)115-<br>121  | 5.30  |
| 96 | Patil Manjusha,<br>Ingawale M V,<br>Hase P B,<br>Kuralkar S V and<br>Sawant S S                                                                    | 2022 | Relationship between<br>Scrotal Biometry and<br>Seminal Attributes in<br>Berari Bucks                                                                                    | <i>Indian Journal of<br/>Veterinary<br/>Sciences &amp;<br/>Biotechnology</i> | 18 (3)128-<br>130 | 5.25  |
| 97 | Kuralkar Prajakta<br>and Kuralkar<br>Shailendra                                                                                                    | 2022 | Effect of season and<br>stage of lactation on<br>milk components in<br>Purnathadi buffaloes                                                                              | <i>Buffalo Bulletin</i>                                                      | 41 (3)<br>511-519 | 6.20  |
| 98 | Kamble Madhuri ,<br>Kuralkar<br>Shailendra, Ali                                                                                                    | 2022 | Melanocortin 1<br>receptor (MC1R) gene<br>polymorphism and its                                                                                                           | <i>Buffalo Bulletin</i>                                                      | 41 (3)531-<br>536 | 6.20  |

|     |                                                                                                        |      |                                                                                                                    |                                                                  |                              |      |
|-----|--------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------|------|
|     | Syed Sajid,<br>Bankar Pravin,<br>Kuralkar Prajakta<br>and Deshmukh<br>Shyam                            |      | association with coat<br>colour patterns in<br>Nagpuri and<br>Purnathadi buffaloes                                 |                                                                  |                              |      |
| 99  | Farheen Fani,<br>Thorat M G,<br>Upadhye S V,<br>Kuralkar S V, and<br>Bankar P S                        | 2022 | Ruminal liquor profile<br>in cattle affected with<br>non-penetrating<br>foreign<br>body syndrome                   | <i>Indian Journal of<br/>Veterinary<br/>Surgery</i>              | <i>43(2) 122-<br/>125,</i>   | 4.30 |
| 100 | Kachave M R,<br>Kuralkar S V,<br>Bankar P S<br>Kuralkar Prajakta<br>& Kanadkhedkar<br>H L              | 2022 | Growth hormone gene<br>polymorphism in<br>Berari goats                                                             | <i>Ruminant<br/>Science</i>                                      | <i>11(2) 357-<br/>360</i>    | 4.45 |
| 101 | More Mrunal,<br>Kuralkar S V,<br>Bankar P S<br>Kuralkar Prajakta<br>& Deshmukh S G                     | 2022 | Study of genetic<br>polymorphism of<br>DGAT1 gene in<br>Gaolao cattle                                              | <i>Ruminant<br/>Science</i>                                      | <i>11(2) 361-<br/>364</i>    | 4.45 |
| 102 | Kuralkar Prajakta,<br>Kuralkar S V<br>& Kanadkhedkar<br>H L                                            | 2023 | Influence of season<br>and stage of lactation<br>on the milk<br>composition of Berari<br>goat                      | <i>Indian Journal of<br/>Animal Sciences</i>                     | <i>98(8) 832-<br/>835</i>    | 6.40 |
| 103 | Munde S G,<br>Deshmukh S G,<br>Pawshe C H,<br>Ingawale M V,<br>Kuralkar S V and<br>Deshpande KY        | 2023 | Effect of dietary<br>supplementation of<br>soybean oil on<br>reproductive<br>performance in repeat<br>breeder cows | <i>Animal Nutrition<br/>and Feed<br/>Technology</i>              | <i>(2023) 23<br/>577-588</i> | 5.00 |
| 104 | Kamble Madhuri ,<br>Handa Arun,<br>Kuralkar S V,<br>Bankar Pravin,<br>Kanadkhedkar H<br>L, Ali Sajis S | 2023 | Extremely rare case of<br>complete penoscrotal<br>transposition (CPST)<br>in Nagpuri buffalo<br>calf               | <i>Ruminant<br/>Science</i>                                      | <i>12 (2),<br/>225-227</i>   | 4.45 |
| 105 | Bankar Pravin,<br>Kuralkar<br>Shailendra, Ali<br>Sajis S, Patil<br>Snehal,                             | 2023 | Kappa casein gene<br>polymorphism and its<br>impact on milk<br>components in<br>Gaolao cattle                      | <i>Ruminant<br/>Science</i>                                      | <i>12 (2),<br/>251-254</i>   | 4.45 |
| 106 | Jadhav P.V.,<br>Komatwar S.J.,<br>Channa G.R. and<br>Bankar P.S.                                       | 2023 | Donkey genetic<br>resources of India                                                                               | <i>International<br/>Journal of<br/>Agriculture<br/>Sciences</i> | <i>Volume<br/>15, (6)</i>    | --   |
| 107 | Bankar P.S.,<br>Kuralkar S.V.,<br>Patil Snehal,                                                        | 2023 | Present status of<br>donkeys in<br>Maharashtra, India                                                              | <i>Genetics and<br/>Biodiversity<br/>Journal</i>                 | <i>7(1)22-29</i>             | --   |

|     |                                                                                                 |      |                                                                                                        |                                                     |              |      |
|-----|-------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|------|
|     | Shinde Shubhangi                                                                                |      |                                                                                                        |                                                     |              |      |
| 108 | S. Sajid Ali · S. V. Kuralkar · H. L. Kanadkhedkar · P. S. Bankar · R. S. Kataria · Vikas Vohra | 2024 | Discriminant analysis reveals differences in breed structure in river buffaloes of Maharashtra (India) | <i>Tropical Animal Health and Production</i>        | 5638         | 7.70 |
| 109 | Kuralkar Prajakta Kuralkar S V, Hajare N D , and Murkute P M                                    | 2024 | Physiological Monitoring of Berari Goat Kids during Neonatal Period                                    | <i>International Journal of Livestock Research,</i> | Vol. 14 (12) | 4.31 |
| 110 | P.S. Bankar, Snehal Patil, S.V. Kuralkar, M.M. Chopadeand P.V. Jadhav                           | 2024 | Status of AnGR of Maharashtra in 19th century A review                                                 | <i>Journal of Livestock Biodiversity</i>            | 13 (1) 12-16 | --   |

### List of Marathi and Popular articles published

| Sr. No | Authors                                                       | Year                | Title                                                       | Name of the Journal/Magazine | Volume Page Nos. |
|--------|---------------------------------------------------------------|---------------------|-------------------------------------------------------------|------------------------------|------------------|
| 1      | डॉ. शैलेन्द्र कुरळकर<br>डॉ. एस. झेड. अली                      | जानेवारी,<br>2005   | गाईचे प्रजनन व वंध्यत्व                                     | कृषकोन्नती                   | 18               |
| 2      | डॉ. शैलेन्द्र कुरळकर                                          | डिसेंबर,<br>2005    | संकरीत गोपैदास                                              | धान्यलक्ष्मी                 | 36-37            |
| 3      | डॉ. दिपाली दवंडे<br>डॉ. शैलेन्द्र कुरळकर                      | फेब्रुवारी,<br>2006 | संकरीत गोपैदासाची उपयुक्तता                                 | बळीराजा                      | 44-47            |
| 4      | डॉ. शैलेन्द्र कुरळकर                                          | मार्च, 2006         | शेळयांची निवड व प्रजनन पध्दती                               | गोडवा                        | 73-74            |
| 5      | डॉ. शैलेन्द्र कुरळकर<br>डॉ. सुनिल साहतपूरे                    | मार्च, 2006         | म्हशीच्या विविध जाती त्यांचे प्रजनन                         | कृषक बंधु                    | 59-60            |
| 6      | डॉ. शैलेन्द्र कुरळकर<br>डॉ. क्रांती खारकर<br>डॉ. मिलींद हाडगे | ऑगस्ट,<br>2006      | फायदेशीर दुग्ध व्यवसायाला उत्तर गावठी गायींचा दर्जा सुधारणे | कृषक बंधु                    | 19-20            |
| 7      | डॉ. शैलेन्द्र कुरळकर<br>डॉ. क्रांती खारकर<br>डॉ. मिलींद हाडगे | ऑगस्ट,<br>2006      | महाराष्ट्रातील गायींच्या विविध जाती                         | लोकमंगल शेती प्रतीक          | 14-17            |
| 8      | डॉ. शैलेन्द्र कुरळकर                                          | ऑक्टोबर,            | शेळयांचे प्रजनन                                             | कृषक बंधु                    | 13-15            |

|    |                                                                                      |                     |                                                        |              |         |
|----|--------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------|--------------|---------|
|    | डॉ. विनोद गोतरणे<br>डॉ. सागर कसबे                                                    | 2006                | व्यवस्थापण                                             |              |         |
| 9  | डॉ. शैलेन्द्र कुरळकर<br>डॉ. विनोद गोतरणे<br>डॉ. सागर कसबे                            | नोव्हेंबर,<br>2006  | गायीतील प्रजननाच्या<br>आधुनिक पध्दती                   | कृषक बंधु    | 13-14   |
| 10 | डॉ. शैलेन्द्र कुरळकर<br>डॉ. मिलींद हाडगे<br>डॉ. सागर कसबे                            | मे, 2007            | संकरीत गाई व<br>म्हशीच्या प्रगतीतील<br>अडचणी           | गोडवा शेतीचा | 98-100  |
| 11 | डॉ. शैलेन्द्र कुरळकर<br>डॉ. प्राजक्ता कुरळकर                                         | सप्टेंबर,<br>2007   | दुधाळू जनावरांच्या<br>प्रजननाचे नियोजन व<br>व्यवस्थापन | अन्नदाता     | 54-55   |
| 12 | डॉ. शैलेन्द्र कुरळकर<br>डॉ. प्राजक्ता कुरळकर                                         | फेब्रुवारी,<br>2008 | दुधाळूजनावरांच्या<br>माजाचे नियोजन व<br>व्यवस्थापन     | बळीराजा      | 69-71   |
| 13 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. एस. झेड. अली                     | नोव्हेंबर,<br>2008  | दुधासाठी उपयुक्त<br>जनावर-नागपूरी म्हैस                | अन्नदाता     | 18      |
| 14 | डॉ. कुलदिप हाडोळे<br>डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर                    | फेब्रुवारी,<br>2009 | वळूची पैदाशीसाठी व<br>बैलाची शेतकामासाठी<br>निवड       | बळीराजा      | 34-35   |
| 15 | डॉ. क्रांती खारकर<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. वृषाली भिसे<br>डॉ. प्राजक्ता कुरळकर | मार्च,<br>2009      | गाय म्हैस पालन                                         | शेतीमित्र    | 20-21   |
| 16 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. एस. झेड. अली                     | ऑगस्ट,<br>2009      | दुधाळ जनावरांची<br>निवड                                | अन्नदाता     | 13-15   |
| 17 | डॉ. प्राजक्ता कुरळकर<br>डॉ. दिनेश जगताप<br>डॉ. शैलेन्द्र कुरळकर                      | ऑगस्ट,<br>2009      | जनावरांच्या काही<br>रोगावर आयुर्वेदिक<br>उपाय          | बळीराजा.     | 116-117 |
| 18 | डॉ. वृषाली भिसे<br>डॉ. क्रांती खारकर<br>डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर | ऑगस्ट,<br>2009      | म्हशीच्या जाती व<br>उपयुक्तता                          | शेतीमित्र    | 50-51   |

|    |                                                                                       |                   |                                                                   |               |         |
|----|---------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------|---------------|---------|
| 19 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. एस. झेड. अली                      | जानेवारी,<br>2010 | गायीची एक महत्वाची<br>जात - गवळाऊ                                 | अन्नदाता      | 39      |
| 20 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. संदिप ढेंगे                       | ऑगस्ट,<br>2010    | गाभण जनावरांची<br>काळजी                                           | शेतीमित्र     | 32-33   |
| 21 | डॉ. क्रांती खारकर<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. प्राजक्ता कुरळकर<br>डॉ. स्मीता इंगळे | ऑगस्ट,<br>2010    | दोन वेतातील अंतर<br>कमी करण्यासाठी                                | शेतीमित्र     | 46-47   |
| 22 | डॉ. प्राजक्ता कुरळकर<br>डॉ. संदिप ढेंगे<br>डॉ. शैलेन्द्र कुरळकर                       | मे, 2012          | उन्हाळ्यात जनावरांची<br>काळजी                                     | बळीराजा       | 109-110 |
| 23 | डॉ. प्राजक्ता कुरळकर<br>डॉ. संदिप ढेंगे<br>डॉ. शैलेन्द्र कुरळकर                       | जून,<br>2011      | जनावरांना<br>पावसाळ्यात होणारे<br>रोग व त्यावरील उपाय<br>योजना    | अन्नदाता      | 61-62   |
| 24 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. संदीप ढेंगे                       | सप्टेंबर,<br>2012 | प्लॉस्टिकमुळे<br>जनावरांना होणारे<br>घातक परिणाम                  | शेतीमित्र     | 44-45   |
| 25 | डॉ. साजीद अली,<br>डॉ. उदय उमरीकर,<br>डॉ. प्रविण बनकर<br>डॉ. शैलेन्द्र कुरळकर          | मार्च,<br>2014    | शेळ्यांमध्ये आढळणारे<br>अनुवांषिक दोष                             | बळीराजा       | 57-59   |
| 26 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. रूपाली चर्जन                     | मार्च,<br>2014    | शेळ्यांमध्ये उत्पादन<br>वाढविण्याकरीता आहार<br>कार्यक्रमाचे महत्व | बळीराजा       | 82-85   |
| 27 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. रूपाली चर्जन                     | जून,<br>2014      | बेरारी शेळी: विदर्भाची<br>शान                                     | बळीराजा       | 65-66   |
| 28 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर<br>डॉ. रूपाली चर्जन                     | सप्टेंबर,<br>2014 | नवजात वासरांमध्ये<br>चीकाचे महत्व                                 | गोडवा शेतीचा: | 86-87   |
| 29 | डॉ. प्राजक्ता कुरळकर,                                                                 | डिसेंबर,          | डेअरी व्यवसायात                                                   | गोडवा शेतीचा: | 46      |



|    |                                                                    |                     |                                                                   |              |       |
|----|--------------------------------------------------------------------|---------------------|-------------------------------------------------------------------|--------------|-------|
|    | डॉ. शैलेन्द्र कुरळकर<br>डॉ. रूपाली चर्जन                           | 2014                | महीलांचे योगदान                                                   |              |       |
| 30 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर,<br>डॉ. रूपाली चर्जन  | डिसेंबर,<br>2016    | बुरशीयुक्त खाद्यांचा<br>जनावरांमध्ये होणारे<br>परिणाम 49-50       | गोडवा शेतीचा | 49-50 |
| 31 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर,<br>डॉ. रूपाली चर्जन | डिसेंबर,<br>2016    | पशु आहारात खनिजांचे<br>महत्व                                      | गोडवा शेतीचा | 51-52 |
| 32 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर,<br>डॉ. मोहीनी खोडके | जानेवारी,<br>2017   | हिवाळयात जनावरांची<br>काळजी                                       | गोडवा उसाचा  | 36-38 |
| 33 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर,<br>डॉ. रूपाली चर्जन | मार्च,<br>2017      | शेळ्यांमध्ये उत्पादन<br>वाढविण्याकरीता आहार<br>कार्यक्रमाचे महत्व | बळीराजा      | 41-42 |
| 34 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर,                      | ऑक्टोबर,<br>2017    | जनावरांना भरपूर<br>विश्रांती देवून जास्त<br>उत्पादन मिळवा         | शेतकरी       | 57-58 |
| 35 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर,<br>डॉ. रूपाली चर्जन | सप्टेंबर,<br>2018   | विदर्भाची शान: बेरारी<br>शेळी                                     | शेतीमिन्न    | 14-15 |
| 36 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर                       | सप्टेंबर,<br>2018   | शेळ्यांचा पोषक आहार                                               | शेतीमिन्न    | 30-33 |
| 37 | डॉ. शैलेन्द्र कुरळकर,<br>डॉ. प्रविण बनकर,<br>डॉ. साजीद अली         | फेब्रुवारी,<br>2019 | शेळ्यांची निवड व<br>पैदास पध्दती                                  | गोडवा        | 60-62 |
| 38 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेन्द्र कुरळकर,                      | मार्च,<br>2020      | विदर्भातील उष्ण<br>तापमानात तग<br>धरण्याची पशुधनाची<br>क्षमता     | कृषी पत्रिका | 13.14 |
| 39 | डॉ. प्राजक्ता कुरळकर,<br>डॉ. शैलेन्द्र कुरळकर                      | मार्च<br>2021       | मुर्घास निर्मिती -<br>रोजगाराची नवीन संधी                         | बळीराजा      |       |

|    |                                                                                                      |                 |                                                                    |                          |       |
|----|------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------|--------------------------|-------|
|    | डॉ. प्रविण बनकर                                                                                      |                 |                                                                    |                          |       |
| 40 | डॉ. शैलेंद्र कुरळकर<br>डॉ. प्राजक्ता कुरळकर                                                          | मार्च, 2021     | उष्ण वातावरणात<br>टिकणारी बेरारी शेळी                              | अग्रोवान                 | 12    |
| 41 | डॉ. शैलेंद्र कुरळकर<br>डॉ. प्राजक्ता कुरळकर                                                          | मार्च, 2021     | शेळ्यांची निवड पध्दती                                              | अग्रोवान                 | 12    |
| 42 | डॉ. प्रविण बनकर,<br>डॉ. शैलेंद्र कुरळकर,<br>डॉ. अनुप भावेकर,<br>डॉ. श्याम देशमुख                     | एप्रिल,<br>2021 | महाराष्ट्रातील गोधन                                                | गोडवा                    | 51-52 |
| 43 | डॉ. शैलेंद्र कुरळकर                                                                                  | मे, 2021        | विदर्भात बेरारी शेळीचे<br>होतेय संवर्धन                            | अग्रोवान                 | 9     |
| 44 | डॉ. शैलेंद्र कुरळकर<br>डॉ. प्राजक्ता कुरळकर                                                          | जून<br>, 2021   | शेळी व्यवस्थापनाच्या<br>पध्दती                                     | अग्रोवान                 | 12    |
| 45 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेंद्र कुरळकर                                                          | जून,<br>2022    | जनावरांना<br>पावसाळ्यात होणारे<br>रोग व प्रतिबंधक<br>उपाय          | सिटी न्यूज सुपर<br>फास्ट | -     |
| 46 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेंद्र कुरळकर                                                          | जून,<br>2022    | जनावरांना<br>पावसाळ्यात होणाऱ्या<br>रोगाबद्दलची जागरूकता<br>गरजेची | देशोन्नती                | -     |
| 47 | डॉ. साजिद अली,<br>डॉ. शैलेंद्र कुरळकर,<br>डॉ. प्रविण बनकर,                                           | जून,<br>2022    | उच्च स्निग्धाश,<br>उत्तम प्रजनन<br>असलेली पूर्णाथडी<br>म्हैस       | अग्रोवान                 | 12    |
| 48 | डॉ. प्रवीण बनकर,<br>डॉ. स्नेहल पाटील,<br>डॉ. शैलेन्द्र कुरळकर, डॉ.<br>श्याम देशमुख,<br>डॉ. साजिद अली | जून,<br>2022    | भारतीय शेळ्यांच्या<br>प्रमुख जाती आणि<br>गुणवैशिष्ट्ये             | गोडवा                    | 50    |
| 49 | डॉ. प्राजक्ता कुरळकर<br>डॉ. शैलेंद्र कुरळकर                                                          | जुलै,<br>2022   | गाई म्हशीच्या -<br>बंधत्वाचे कारणे व<br>व्यवस्थापन                 | गोडवा                    | 50    |

|    |                                             |                    |                                                                       |             |    |
|----|---------------------------------------------|--------------------|-----------------------------------------------------------------------|-------------|----|
| 50 | डॉ. शैलेंद्र कुरळकर डॉ.<br>प्राजक्ता कुरळकर | ऑक्टोबर,<br>2022   | शेती कामासाठी बैलाची<br>निवड                                          | गोडवा       | 56 |
| 51 | डॉ. शैलेंद्र कुरळकरडॉ.<br>प्राजक्ता कुरळकर  | ऑक्टोबर,<br>2022   | म्हैसपालन ,फायदे -<br>आव्हाने व म्हशीची<br>निवड                       | गोडवा       | 60 |
| 52 | डॉ. शैलेंद्र कुरळकर डॉ.<br>प्राजक्ता कुरळकर | नोव्हेंबर,<br>2022 | पशुसंसाधनाचे संवर्धन<br>वजतनकाळाची गरज -                              | गोडवा       | -- |
| 53 | डॉ.श्याम देशमुख .<br>प्रवीण बनकर.डॉ         | 2021               | जनावरातीलमायांग<br>बाहेर येणे व<br>गर्भाशयाला पीळ<br>बसणेकारणे व उपाय | गोडवा मासिक | 46 |
| 54 | डॉ.प्रवीण बनकर, डॉ .<br>शैलेन्द्र कुरळकर    | 2021               | महाराष्ट्रातील गोधन-                                                  | गोडवा मासिक | 51 |
| 55 | डॉ.प्रवीण बनकर .                            | 2021               | पशुधनातील<br>आनुवंशिक सुधारणा-                                        | गोडवा मासिक | 42 |
| 56 | डॉ.प्रवीण बनकर ., डॉ .<br>देशपांडे कुलदीप   | 2021               | सकस दूध उत्पादन -<br>अन्नसुरक्षेची पहिली<br>पायरी                     | गोडवा मासिक | 66 |
| 57 | डॉ.श्याम देशमुख, डॉ .<br>प्रवीण बनकर        | 2021               | मादी जनावरातील<br>वांझपणा कारणे व -<br>उपाय                           | गोडवा मासिक | 68 |

## 6. Research Recommendations

|                 |                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------|
| Sr. No.         | 1                                                                                                                               |
| Year            | 2002-03                                                                                                                         |
| Project Title   | Studies on genetic parameters of some economic traits in Sahiwal and its jersey crosses                                         |
| Investigators   | M.R. Hadge, Dr. S. V. Kuralkar                                                                                                  |
| Recommendations | F1 and F2 Jersey x Sahiwal crosses proved better than HF x Haryana F1 and F2, Farmers should go in for Jersey x Sahiwal crosses |

|                 |                                                                                |
|-----------------|--------------------------------------------------------------------------------|
| Sr. No.         | 2                                                                              |
| Year            | 2008-09                                                                        |
| Project Title   | Construction of multitrait sire indices in Rhode Island Red pure line chicken. |
| Investigators   | V..T.Gotarne, Dr. S. Z. Ali                                                    |
| Recommendations | Construction of multi-trait sire indices in Rhode Island Red pure line chicken |

|                 |                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|
| Sr. No.         | 3                                                                                                                         |
| Year            | 2012-13                                                                                                                   |
| Project Title   | Studies on molecular, morphological, phenotypic characterization and productive, reproductive performance of Berari goats |
| Investigators   | Ms. Kranti Kharkar, Dr. S. V. Kuralkar                                                                                    |
| Recommendations | Berari is medium size distinct breed having early maturity, high prolificacy and useful for meat purpose.                 |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr. No.         | 4                                                                                                                                                                                                                                                                                                                                                                                                          |
| Year            | 2020-21                                                                                                                                                                                                                                                                                                                                                                                                    |
| Project Title   | Study of polymorphism in candidate milk protein genes and their association with milk traits in Gaolao breed of cattle                                                                                                                                                                                                                                                                                     |
| Investigators   | Dr. P. S. Bankar, Dr. S. V. Kuralkar                                                                                                                                                                                                                                                                                                                                                                       |
| Recommendations | The studied loci of $\beta$ -casein gene indicated predominance of favourable A2 allele in Gaolao breed, however, occurrence of heterozygotes (A1A2) is an alarming indication of dilution of precious germplasm, therefore it is recommended that breeding bull must be screened for A2 homozygous $\beta$ -casein gene prior to follow selective breeding policy for maintaining purity in Gaolao cattle |

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| Sr. No.       | 5                                                                                                         |
| Year          | 2020-21                                                                                                   |
| Project Title | Genetic Diversity Analysis in Purnathadi buffalo and its comparison with Marathwadi and Nagpuri buffaloes |

|                 |                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Investigators   | Dr. S. Sajid Ali, Dr. S. V. Kuralkar                                                                                                                                                                                                                                               |
| Recommendations | Purnathadi is medium sized buffalo germplasm found in Akola, Amravati and Buldhana districts of Vidarbha region, is phenotypically and genetically distinct from adjoining Nagpuri and Marathwadi buffaloes, and hence recommended for registration as a separate breed of buffalo |

#### 7. MOU signed by the Colleges-Nil

#### 8. Research Priorities / Thematic areas Department Wise

| Sr. No. | Research Priorities / Thematic areas                                                                                                         |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Genetic studies of genes responsible for production, reproduction, immunity and disease resistance traits in livestock.                      |
| 2       | Characterization of lesser known AnGR of Maharashtra                                                                                         |
| 3       | Application of cutting-edge technologies in genetic improvement of livestock viz. Artificial intelligence, Transgenics, Gene-based vaccines. |

#### 9. Significant Research Achievement

| Sr.No. | Achievements       | Description                                                                                                                                                                                                                                                                                             |
|--------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Patents Awarded    | Nil                                                                                                                                                                                                                                                                                                     |
| 2      | Breed Registration | 1. Recognition of Berari as 23rd goat breed of India (Accession number of Berari goat is INDIA_GOAT_1100_BERARI_06023) in the year 2012<br>2. Recognition of Purnathadi as 20th buffalo breed of India (Accession number of Purnathadi Buffalo is INDIA_BUFFALO_1100_PURNATHADI_01020) in the year 2022 |
| 3      | IPR                | Nil                                                                                                                                                                                                                                                                                                     |
| 4      | Copyright          | Nil                                                                                                                                                                                                                                                                                                     |
| 5      | Trademark          | Nil                                                                                                                                                                                                                                                                                                     |