

## Biodata

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<b>Contact No.</b>	040 29801672 ext. 201
<b>Qualifications</b>	M.V.Sc., Ph.D. in Veterinary Public Health
<b>Major research area</b>	Zoooses, Foodborne infections, Listeriology, Molecular Microbiology
<b>Patent/germplasm registered gene bank submission/varieties released etc.</b>	Patent (filed) : 1 Bacterial germplasm registered: 129 Gene bank submissions: 998
<b>Awards/ Recognitions</b>	<ul style="list-style-type: none"><li>• Recipient of <b>Junior Research Fellowship</b> of Indian Council of Agricultural Research during M.V.Sc.</li><li>• Recipient of <b>Senior Research Fellowship</b> of Indian Veterinary Research Institute, Izatnagar during Ph.D.</li><li>• Recipient of <b>Senior Research Fellowship</b> of Council of Scientific and Industrial Research for Ph.D.</li><li>• <b>Young Scientists' Award of National Academy of Agricultural Sciences (NAAS)</b> in Animal Sciences for the year 1997- 98.</li><li>• <b>Fellow of National Academy of Veterinary Sciences (India).</b></li><li>• <b>Fellow of Indian Association of Veterinary Public Health Specialists.</b></li><li>• <b>Fellow of Association of Public Health Veterinarians</b></li><li>• Recipient of <b>Biotechnology Overseas Associateship award</b> (2005-06) to undergo training abroad under Overseas Associateship Programme of Department of Biotechnology, Govt. of India at Institute for Medical Microbiology, Justus-Liebig University, and Giessen, Germany.</li><li>• Principal Investigator of Indo-German consortium</li></ul>

for epidemiology and comparative genomics of *Listeria* (*InGeLis*) sponsored by Department of Biotechnology, Government of India.

- Recognized as **faculty member** of Goa University in the subject of Microbiology.
- Certificate of **Outstanding participant** at the Summer Institute on “recent trends in diagnosis and control of important zoonoses and food-borne infections” held at Indian Veterinary Research Institute, Izatnagar.
- Member, International Advisory Committee of **XVI International symposium on Problem of Listeriosis** held during 20-23 March, 2007, Savannah, Georgia, USA.
- **Member** of the **International Advisory committee** for International Symposium on Problems of Listeriosis held in Portugal, May 5-8, 2010.
- Recipient of International Travel grant of Department of Science and Technology, Government of India to attend XVII International Symposium on Problems of Listeriosis (ISOPOL) held in Portugal during May 2010.
- **Project Coordinator of Centre of Excellence and Innovation in Biotechnology** for Translation Centre for Molecular Epidemiology of *Listeria monocytogenes* (2012)
- **Convener and Secretary, Scientific Committee, XVIII International Symposium on Problems of Listeriosis (ISOPOL XVIII)** held in Goa, India, September 19-22, 2013.
- Member of Scientific Committee of XIX International Symposium on Problems of Listeriosis held in Paris, France, June 14-17, 2016.
- Member, Joint FAO WHO Expert Committee on Microbiological Risk Assessment of *Listeria monocytogenes* in ready-to-eat foods: Attribution, characterization and monitoring.
- Member, **Scientific panel on Biological Hazards** constituted by Food Safety and Standards Authority of India (FSSAI), Government of India (2020 - 2022).

## Number of Research publications

I. Research papers (National /International)	<b>National 45</b> <b>International 105</b>
II. Review articles	<b>9</b>
III. Book chapters	<b>21</b>
IV. Books authored/ edited	<b>3</b>

## Major research achievements

- Establishment of **Centre of Excellence and Innovation in Biotechnology** sponsored by Department of Biotechnology, Govt. of India on “**Translational centre for molecular epidemiology of *Listeria monocytogenes***”.
- Isolation and identification of *Listeria* from clinical (human and animal) and food samples (milk and milk products, meat and meat products, seafood, fresh water fishes, vegetables) revealed high prevalence of *Listeria* species. **High prevalence of *Listeria* in humans with spontaneous abortions.**
- Established a rapid method, **Pulsed Field Gel Electrophoresis (PFGE)** for typing *Listeria* based on macro-digestion of the listerial genome. The protocol developed allows taxonomic definition of these bacteria within 30 h as compared to the previous turnaround time of 96 h.
- **Mosquito as a carrier** of pathogenic *Listeria* species (arthropod-based transmission) has been discovered.
- Data from our studies have also revealed the presence of **new species of *Listeria*** that are probably endogenous to the Indian subcontinent. The new species has been named *Listeria goaNensis*.
- An online database, **Indian *Listeria* Culture Database (ILCD)**, an online databank of profiles of *Listeria* has been developed.
- **Diagnostic kits** for detection of *Listeria monocytogenes* from food and clinical samples (human and animal) have been developed. The assays developed are both serology and DNA based.
- A well characterized repository of the strains (**n=830**) of *Listeria*, **Indian *Listeria* Culture Collection (ILCC)** has been established. The strains are collected/ isolated **from 16 states of India.**
- Developed PCR protocols (**Trans-PCR and Real-time PCR**) for rapid detection of ***Coxiella burnetii***. Established *Coxiella* as a cause of spontaneous abortions in humans and animals. Research on *Brucella* from clinical samples of humans and animals Initiation of programmes on rodentborne zoonoses.

## List of Publications

Sl. No	List of Publications
	<b>Publications on <i>Listeria monocytogenes</i></b>
1	<b>Barbuddhe, S.B*</b> , Malik, S.V.S. and Gupta, L.K. (1997). Effect of <i>in vitro</i> monocyte activation by listerial antigens on phagocytosis and production of reactive oxygen and nitrogen radicals in bovines. <i>Veterinary Immunology and Immunopathology</i> , <b>64</b> : 249-259.
2	<b>Barbuddhe, S.B*</b> , Malik, S.V.S., Choudhary, S.P. and Gupta L.K. (1998). Kinetics of interferon gamma production and its comparison with anti-listeriolysin O detection in experimental bovine listeriosis. <i>Veterinary Research Communications</i> , <b>22</b> : 505-516.
3	Patil, N.A. Udupa, K.G., Kasaralika, V.R., Prasanna Kumar, S., Rao, D.G.K. and <b>Barbuddhe, S. B.</b> (1998). Listerial abortion and encephalitis in a buffalo. <i>Buffalo Bulletin</i> , <b>17</b> : 43.
4	<b>Barbuddhe, S.B*</b> . Malik, S.V.S., Bhatnagar, S. and Gupta L.K. (1999). Cytotoxic T-cell, delayed type hypersensitive and anti-listeriolysin O responses in experimental bovine listeriosis. <i>Veterinary Microbiology</i> , <b>64</b> : 333-341.
5	<b>Barbuddhe, S.B*</b> , Malik, S.V.S. and Prahlad Kumar (1999). High seropositivity against anti-listeriolysin O in humans. <i>Pathogens and Global Health (Annals of Tropical Medicine and Parasitology)</i> , <b>93</b> : 537-539.
6	<b>Barbuddhe, S.B*</b> , Malik, S.V.S. and Bhilegaonkar, K.N. (1999). Growth inhibition of pathogenic <i>Listeria monocytogenes</i> by commercial nisin and lactic acid in raw buffalo meat. <i>Journal of Food Science and Technology</i> , <b>36</b> : 320-324.
7	Pawar, D.D., Malik, S.V.S.; Bhilegaonkar, K.N. and <b>Barbuddhe, S.B*</b> . (1999). Survivability of pathogenic <i>Listeria monocytogenes</i> against pure nisin and its combination with sodium chloride in raw buffalo meat mince. <i>Journal of Food Science and Technology</i> , <b>38</b> : 138-141.
8	<b>Barbuddhe, S.B*</b> , Malik, S.V.S. and Gupta, L.K. (2000). Kinetics of antibody production and clinical profiles of calves experimentally infected with <i>Listeria monocytogenes</i> . <i>Journal Veterinary Medicine B</i> , <b>47</b> : 497-502.
9	<b>Barbuddhe, S.B*</b> , Malik, S.V.S., Bhilegaonkar, K.N.; Prahlad Kumar and Gupta, L.K. (2000). Isolation of <i>Listeria monocytogenes</i> and anti-listeriolysin O detection in sheep and goats. <i>Small Ruminant Research</i> , <b>38</b> :151-155.
10	Pawar, D.D. Malik, S.V.S. Bhilegaonkar, K.N. and <b>Barbuddhe, S.B*</b> . (2000). Effect of nisin and its combination with sodium chloride on survival of <i>Listeria monocytogenes</i> added to raw buffalo meat mince. <i>Meat Science</i> , <b>56</b> :215-219.
11	Pawar, D.D., Malik, S.V.S.; Bhilegaonkar, K.N. and <b>Barbuddhe, S.B*</b> . (2000). The effect of sodium acid pyrophosphate and sodium lactate on the viability of <i>Listeria monocytogenes</i> in raw buffalo meat mince. <i>Journal of Food Science and Technology</i> , <b>39</b> : 164-166.
12	Malik S.V.S., <b>Barbuddhe S.B*</b> . and Chaudhari S. P. (2000). Listeric infections in man and animals in Indian subcontinent: a review. <i>Tropical Animal Health and Production</i> <b>34(5)</b> : 359-381.
13	<b>Barbuddhe, S.B*</b> . Chaudhari, S. P. and Malik, S.V.S. (2002). The occurrence of pathogenic <i>Listeria monocytogenes</i> and antibodies against listeriolysin O in buffaloes. <i>Journal of Veterinary Medicine B</i> , <b>49</b> :181-184.
14	Chaudhari, S. P. Malik, S.V.S.; Banu Rekha, G. and <b>Barbuddhe, S.B*</b> . (2001). Detection of anti-listeriolysin O and <i>Listeria monocytogenes</i> in experimentally infected buffaloes ( <i>Bubalus bubalis</i> ). <i>Tropical Animal Health and Production</i> , <b>33</b> :285-293.
15	Chaudhari, S. P., Malik, S.V.S. and <b>Barbuddhe, S.B*</b> . (2004). Humoral and delayed type hypersensitive responses against <i>Listeria monocytogenes</i> phosphatidylinositol-specific phospholipase C in experimentally infected buffaloes. <i>Veterinary Research Communications</i> , <b>28</b> :569-579.
16	Chaudhari, S. P., Malik, S.V.S., Chatlod, L.R. and <b>Barbuddhe, S.B*</b> . (2004). Isolation of pathogenic <i>Listeria monocytogenes</i> and detection of antibodies against phosphatidylinositol-specific phospholipase C in buffaloes. <i>Comparative Immunology Microbiology and Infectious Diseases</i> <b>27</b> :141-148.
17	Kalorey D.R*., Kurkure, N.V., Warke, S. R., Rawool, D.B., Malik, S.V.S. and <b>Barbuddhe, S.B.</b> (2006). Isolation of pathogenic <i>Listeria monocytogenes</i> in faeces of wild animals in captivity. <i>Comparative Immunology Microbiology and Infectious Diseases</i> <b>29</b> :295-300.
18	Shakuntala, I., Malik, S.V.S., <b>Barbuddhe S.B*</b> . and Rawool, D.B. (2006). Isolation of

	Isolation of <i>Listeria monocytogenes</i> from buffaloes with reproductive disorders and its confirmation by polymerase chain reaction. <i>Veterinary Microbiology</i> , <b>117</b> (2-4): 229-234.
19	Rekha V.B., Malik S.V.S., Chaudhari S. P. and <b>Barbuddhe S.B*</b> . (2006). Listeriolysin O-based diagnosis of <i>Listeria monocytogenes</i> infection in experimentally and naturally infected goats. <i>Small Ruminant Research</i> <b>66</b> : 70-75.
20	Elezebeth, G., Malik S.V.S., Chaudhari S. P. and <b>Barbuddhe S.B*</b> . (2006). The occurrence of <i>Listeria</i> species and antibodies against listeriolysin-O in naturally infected goats. <i>Small Ruminant Research</i> . <b>67</b> :173.178.
21	Kalorey D.R*., Warke, S. R., Kurkure, N.V. and <b>Barbuddhe, S.B.</b> (2006). Seropositivity against listeriolysin in cattle of Vidarbha region. <i>Journal of Veterinary Public Health</i> . 4(2): 117-119.
22	Rawool, D.B., Malik, S.V.S., Shakuntala, I., Sahare, A.M. and <b>Barbuddhe S.B*</b> . (2007). Detection of multiple virulence associated genes in pathogenic <i>Listeria monocytogenes</i> from bovines with mastitis. <i>International Journal of Food Microbiology</i> . <b>113</b> (2): 201-207.
23	Jallewar, P.K., Kalorey D.R*., Kurkure, N.V., Pande, V.V. and <b>Barbuddhe S.B.</b> (2007). Genotypic characterization of <i>Listeria</i> spp. isolated from fresh water fish. <i>International Journal of Food Microbiology</i> . <b>114</b> (2): 120-123.
24	Kalorey, D.R., Kurkure, N.V., Warke, S. R. and <b>Barbuddhe, S.B*</b> . (2007). Evaluation of indirect and avidin-biotin enzyme linked immunosorbent assays for detection of anti-listeriolysin O antibodies in bovine milk samples. <i>Zoonoses and Public Health</i> <b>54</b> :301-306.
25	Kaur, S., Malik, S.V.S., Vaidya, V.M. and <b>Barbuddhe, S.B*</b> . (2007). <i>Listeria monocytogenes</i> in spontaneous abortions in humans and its detection by multiplex PCR. <i>Journal of Applied Microbiology</i> <b>103</b> :1889-1896.
26	Kalorey D.R., Kurkure, N.V., Warke, S. R., Rawool, D.B. and <b>Barbuddhe, S.B*</b> . (2007). <i>Listeria</i> species in bovine raw milk: a large survey of Central India. <i>Food control</i> , <b>19</b> :109-112.
27	Shakuntala, I., Malik, S.V.S., <b>Barbuddhe, S.B*</b> . and Rawool, D.B. (2007). Isolation of <i>Listeria monocytogenes</i> from buffaloes with reproductive disorders and their serological profile against listeriolysin-O. <i>Indian Journal of Animal Sciences</i> . 77 (2): 11-14.
28	Parihar, V.S., <b>Barbuddhe, S.B*</b> ., Chakurkar, E.B., Danielson-Tham, M-L. and Tham, W*. (2007). Isolation of <i>Listeria</i> species from farm bulk milk at the receiving dairy plant and cervico-vaginal samples from dairy cows. <i>Indian Journal of Comparative Microbiology, Immunology and Infectious diseases</i> , <b>28</b> : 53-55.
29	Parihar, V.S., <b>Barbuddhe, S.B*</b> ., Danielsson-Tham, M.L. and Tham W. (2008). Isolation and characterization of <i>Listeria</i> species from tropical seafood. <i>Food Control</i> <b>19</b> :566-569.
30	<b>Barbuddhe, S.B.</b> , Maier, T., Schwarz, G., Kostrzewa, M., Domann, E., Chakraborty, T. and Hain, T*. (2008). Rapid identification and typing of <i>Listeria</i> species using matrix assisted laser desorption ionization-time of flight mass spectrometry. <i>Applied and Environmental Microbiology</i> <b>74</b> (17): 5402-5407.
31	<b>Barbuddhe, S.</b> and Chakraborty T*. (2008). Biotechnological applications of <i>Listeria</i> 's sophisticated infection strategies. <i>Microbial Biotechnology</i> <b>1</b> (5):361–372.
32	Aurora, R., Prakash, A., Prakash, S., Rawool, D.B. and <b>Barbuddhe, S.B.</b> (2008). Comparison of PI-PLC based assays and PCR along with <i>in-vivo</i> pathogenicity tests for rapid detection of pathogenic <i>Listeria monocytogenes</i> . <i>Food control</i> <b>19</b> :641-647.
33	Parihar V.S., Lopez-Valladares G., Danielsson-Tham M L., Peiris I., Helmersson S., Unemo M, Andersson B., Arneborn M., Bannerman E., <b>Barbuddhe S.B</b> , Bille J., Hajdu L., Jacquet C., Johansson C., Löfdahl M., Möllerberg G., Ringberg H., Rocourt J., Tjernberg I., Jan Ursing <sup>5</sup> , Henriquez B., Tham W*. (2008). Characterization of Human Isolates of <i>Listeria monocytogenes</i> in Sweden 1986-2007. <i>Foodborne Pathogens and Diseases</i> , <b>5</b> :755-61.
34	<b>Barbuddhe, S.B.</b> and Chakraborty, T*. (2009) <i>Listeria</i> as an enteroinvasive gastrointestinal pathogen. <i>Current Topics in Microbiology and Immunology</i> <b>337</b> :173-195.
35	Steinweg C, Kuenne C.T., Billion, A., Mraheil, M.A., Domann, E., Ghai, R., <b>Barbuddhe, S.B.</b> , Kärst, U., Goesmann, A., Pühler, A., Weisshaar, B., Wehland, J., Lampidis, R., Kreft, J., Goebel, W., Chakraborty, T. and Hain, T*. (2010). The complete genome sequence of <i>L. seeligeri</i> , a non-pathogenic member of the genus <i>Listeria</i> . <i>Journal of Bacteriology</i> , <b>192</b> (5):1473-1474.
36	Kaur S., Malik S.V.S., Bhilegaonkar K.N., Vaidya V.M. and <b>Barbuddhe S.B*</b> . (2010). Use of a phospholipase-C assay, in vivo pathogenicity assays and PCR in assessing the virulence of <i>Listeria</i> spp. <i>Veterinary Journal</i> , <b>184</b> : 366-370
37	Gawade L*., <b>Barbuddhe, S.B.</b> and Bhosle, S.N. (2010). Isolation and confirmation of

	<i>Listeria</i> Species from seafood off Goa region by polymerase chain reaction. <i>Indian Journal of Microbiology</i> , 50:385-389.
38	Doijad, S. P., <b>Barbuddhe S.B*</b> , Garg, S., Kalekar, S., Rodrigues J., D'Costa, D., Bhosle, S. and Chakraborty, T. (2011). Incidence and genetic variability of <i>Listeria</i> species from three milk processing plants. <i>Food Control</i> , 22: 1900-1904
39	Kalekar, S., Rodrigues J., D'Costa, D., Doijad, S. P., Jangam, A. K., Malik S.V.S., Kalorey, D.R., Rawool, D.B., Hain T., Chakraborty, T. and <b>Barbuddhe S.B*</b> . (2011). Genotypic characterization of <i>Listeria monocytogenes</i> isolated from humans in India. <i>Annals of Tropical Medicine and Parasitology</i> . <i>Annals of Tropical Medicine and Parasitology</i> 105: 351-358.
40	Doijad, S. P., Vaidya, V., Garg, S., Kalekar, S., Rodrigues J., D'Costa, D., Bhosle, S. and <b>Barbuddhe S.B*</b> . (2011). Isolation and characterization of <i>Listeria</i> species from raw and processed meats. <i>Journal of Veterinary Public Health</i> , 8:83-88.
41	<b>Barbuddhe S.B*</b> , Malik S.V.S., J. Ashok Kumar, Kalorey, D.R., and Chakraborty, T. (2012). Epidemiology and management of listeriosis in India. <i>International Journal of Food Microbiology</i> . 154(3):113-118.
42	D'Costa D., Bhosle S.N., Dhuri R.B. Kalekar, S., Rodrigues, J., Doijad, S.P. and <b>Barbuddhe, S. B*</b> . (2012) The occurrence and characterization of <i>Listeria</i> species isolated from milk production chain. <i>Milchwissenschaft</i> 67: 43-46.
43	Kuene C.T., Billion, A., Mraheil, M.A., Strittmatter, A., Daniel, R., Goesmann, A., <b>Barbuddhe, S.B.</b> , Hain, T. and Chakraborty, T*. (2013). Reassessment of the <i>Listeria monocytogenes</i> pan-genome reveals dynamic integration hotspots and mobile genetic elements as major components of the accessory genome. <i>BMC Genomics</i> 14:47
44	Shoukat S*, Malik S.V.S., Rawool D.B., Kumar A., Kumar S., Shrivastava S., Das D. P., Das S. and <b>Barbuddhe, S.B.</b> (2013) Comparison of indirect based ELISA by employing purified LLO and its synthetic peptides and cultural method for diagnosis of ovine listeriosis. <i>Small Ruminant Research</i> . 113: 301-306.
45	Raorane A., Doijad S., Katkar S., Pathak A., Poharkar K., Dubal Z.B. and <b>Barbuddhe S.B*</b> . (2013). Prevalence of <i>Listeria</i> spp. in animals and associated environment. <i>Advances in Animal and Veterinary Sciences</i> . 2 (2): 81–85.
46	Vergis, J., Negi, M., Poharkar, K., Das, D.P., Malik, S.V., Kumar, A., Doijad, S.P., <b>Barbuddhe, S.B.</b> and Rawool, D.B*. (2013). 16S rRNA PCR followed by restriction endonuclease digestion: A rapid approach for genus level identification of important enteric bacterial pathogens. <i>Journal of Microbiological Methods</i> . 95(3):353-356.
47	Shoukat, S., Malik S.V.S., Rawool D.B*, Kumar A., Kumar S., Shrivastava S., <b>Barbuddhe, S.B.</b> , Das D. P. and Das S. (2013). A study on detection of pathogenic <i>Listeria monocytogenes</i> in ovines of Kashmir region having abortion or history of abortion. <i>Proceedings of the National Academy of Sciences India Section B: Biological Sci.</i> 84(2):311–316
48	Doijad, S., Lomonaco, S, Poharkar, K, Garg, S, Knabel, S, <b>Barbuddhe, S</b> , Jayarao, B*. (2014). Multi-virulence-locus sequence typing of 4b <i>Listeria monocytogenes</i> isolates obtained from different sources in India over a 10-year period. <i>Foodborne Pathogens and Disease</i> 11(7):511-516
49	Doijad, S.P., <b>Barbuddhe, S.B*</b> , Garg, S., Poharkar, K.V., Kalorey D.R., Kurkure, N.V., Rawool, D.B. and Chakraborty, T. (2015). Biofilm forming abilities of <i>Listeria monocytogenes</i> serotypes isolated from different sources. <i>PLoS One</i> , 10: e013746.
50	Negi, M., Vergis, J., Vijay, D., Dhaka, P., Malik, S.V., Kumar, A., Poharkar, K.V., Doijad, S.P., <b>Barbuddhe, S.B.</b> , Ramteke, P.W. and Rawool, D.B*. (2015). Genetic diversity, virulence potential and antimicrobial susceptibility of <i>Listeria monocytogenes</i> recovered from different sources in India. <i>Pathogens and Diseases</i> 73(9):ftv093.
51	Doijad, S., Weigel, M., <b>Barbuddhe, S.</b> , Blom, J., Goesmann, A., Hain, T. and Chakraborty, T*. (2015). Phylogenomic grouping of <i>Listeria monocytogenes</i> . <i>Canadian Journal of Microbiology</i> 61:637-646.
52	Dhama, K*, Karthik, K, Tiwari, R., Shabbir, M.Z., <b>Barbuddhe, S.</b> , Malik, S.V. and Singh RK. (2015) Listeriosis in animals, its public health significance (food-borne zoonosis) and advances in diagnosis and control: a comprehensive review. <i>Veterinary Quarterly</i> 35(4):211-35.
53	Rodrigues J., Kalekar, S., Doijad, S. P., Poharkar, K.V., D'Costa, D. and <b>Barbuddhe S.B*</b> . (2015). Prevalence and characterization of <i>Listeria</i> spp. From seafood. 62:139-143.
54	<b>Barbuddhe, S.B.*</b> , Doijad, S.P., Goesmann, A., Hilker, R., Poharkar, K.V., Rawool, D.B.,

	Kurkure, N.V., Kalorey, D.R., Malik, S.V.S., Shakuntala, I., Chaudhari, S., Waskar, V., D'Costa, D., Kolhe, R., Arora, R., Roy, A., Raorane, A., Kale, S., Pathak, A., Negi, M., Kaur, S., Waghmare, R., Warke, S., Shoukat, S., Harish, B., Poojary, A., Madhavaprasad, C.B., Nagappa, K., Das, S., Zende, R., Garg, S., Bhosle, S., Radriguez, S., Paturkar, A., Fritzenwanker, M., Ghosh, H., Hain, T. And Chakraborty, T. (2016). Presence of a widely disseminated <i>Listeria monocytogenes</i> serotype 4b clone in India. <i>Emerging Microbes and Infections</i> , 5, e55.
55	Suryawanshi, R.D., Malik, S.V.S., Jayarao, B., Chaudhari, S.P., Savage, E., Vergis, J., Kurkure, N.V., <b>Barbuddhe, S.B.</b> and Rawool, D.B*. (2017). Comparative diagnostic efficacy of recombinant LLO and PI-PLC-based ELISAs for detection of listeriosis in animals. <i>Journal of Microbiological Methods</i> . 137:40-45.
56	Rawool, D.B*, Doijad, S.P., Poharkar, K.V., Negi, M., Kale, S.B., Malik, S.V.S., Kurkure, N.V., Chakraborty, T. and <b>Barbuddhe, S.B.</b> (2016) A multiplex PCR for detection of <i>Listeria monocytogenes</i> and its lineages. <i>Journal of Microbiological Methods</i> , <b>130</b> :144-147.
57	Jagtap, U.V., Kolhe, R.P*, Deshpande, P.D., Kurkure, N.V., Dhandore, C.V., Muglikar, D.M., Jadhav, S.N., Nighot, N.K. and <b>Barbuddhe, S.B.</b> 2017. Isolation of <i>Listeria monocytogenes</i> from peridomestic birds and captive wild animals. <i>Current Science</i> , 113, 1783-1787.
58	Kishnani, P.M., Tiwari, A.A., Gautam, V., Sharma, M., <b>Barbuddhe, S.B.</b> , Doijad, S.P., Chakraborty, T., Nayak, A.R., Bhartiya, N.M., Daginawala, H.F., Singh, L.R. and Kashyap R.S*. (2018). Draft genome sequence of <i>Listeria monocytogenes</i> strain CIIMS-PH-1, a serovar 4b isolate from infant septicemia. <i>Genome Announcement</i> 6:e01320-17. <a href="https://doi.org/10.1128/genomeA.01320-17">https://doi.org/10.1128/genomeA.01320-17</a> .
59	Ramanjeneya, S., Sahoo, S.C., Pathak, R., Kumar, M., Vergis, J., Malik, S.V.S., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2019. Virulence potential, biofilm formation, and antibiotic susceptibility of <i>Listeria monocytogenes</i> Isolated from Cattle Housed in a Particular Gaushala (Cattle Shelter) and Organized Farm. <i>Foodborne Pathogens and Disease</i> , 16(3), pp.214-220.
60	Doijad, S.P., Poharkar, K.V., Kale, S.B., Kerkar, S., Kalorey, D.R., Kurkure, N.V., Rawool, D.B., Malik, S.V.S., Ahmad, R.Y., Hudel, M. and Chaudhari, S.P., 2018. <i>Listeria goaensis</i> sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 68(10), pp.3285-3291.
61	Shakuntala, I., Das, S., Ghatak, S., Milton, A.A.P., Sanjukta, R., Puro, K.U., Pegu, R.K., Duarah, A., <b>Barbuddhe, S.B.</b> and Sen, A., 2019. Prevalence, characterization, and genetic diversity of <i>Listeria monocytogenes</i> isolated from foods of animal origin in North East India. <i>Food Biotechnology</i> , 33(3), pp.237-250.
62	Malla, B.A., Ramanjeneya, S., Vergis, J., Malik, S.S., Barbuddhe, S.B. and Rawool, D.B. 2021. Comparison of recombinant and synthetic listeriolysin- O peptide- based indirect ELISA vis-à-vis cultural isolation for detection of listeriosis in caprine and ovine species. <i>J Microbiol Methods</i> . doi: 10.1016/j.mimet.2021.106278.
	<b>Publications on One Health</b>
63	Chakraborty, T and Barbuddhe, S.B. 2021 Enabling One Health solutions through genomics. <i>Indian Journal of Medical Research</i> . 153(3):273-279.
64	Vergis, J., Rawool, D.B., Malik, S.V. and Barbuddhe, S.B. 2021. Food safety in fisheries: Application of One Health approach. <i>Indian Journal of Medical Research</i> 153(3):348-357.
65	Chaudhari, S.P., Kalorey, D.R., Awandkar, S.P., Kurkure, N.V., Narang, R., Kashyap, R.S., Rahi, M. and Barbuddhe, S.B. 2021 Journey towards National Institute of One Health in India. <i>Indian Journal of Medical Research</i> 153(3):320-326.
66	Dasgupta, R., Tomley, F., Alders, R., Barbuddhe, S.B., and Kotwani, A. 2021. Adopting an intersectoral One Health approach in India: Time for One Health Committees. <i>Indian Journal of Medical Research</i> 153(3):281-286.
67	Bedi, J.S., Vijay, D., Dhaka, P., Gill, J.P.S., and Barbuddhe, S.B. 2021. Emergency preparedness for public health threats, surveillance, modelling & forecasting. <i>Indian Journal of Medical Research</i> 153(3):287-298.
	<b>Publications on Coxiella burnetii</b>
68	Vaidya V. M*, Malik S. V.S., Bhilegaonkar K. N., Rathore R. S., Kaur B. and <b>Barbuddhe S. B.</b> (2008) Comparison of PCR, immunofluorescence assay and isolation method for diagnosis of q fever in humans with spontaneous abortions. <i>Journal of Clinical Microbiology</i> , <b>46</b> :2038–2044.
69	Vaidya V. M*, Malik S. V.S., Bhilegaonkar, K. N., Rathore R. S., Kaur S., Kumar Satish, and <b>Barbuddhe S. B.</b> (2010). Prevalence of Q fever in domestic animals with reproductive disorders. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> . 33: 307-321.

70	Das D. P*, Malik S.V.S., Rawool D.B., Das S., Shoukat S., Gandham R.K., Sonal, Singh, R. and <b>Barbuddhe, S.B.</b> (2013). Isolation of <i>Coxiella burnetii</i> from bovines with history of reproductive disorders in India and phylogenetic inference based on the partial sequencing of IS1111 element. <i>Infection, Genetics and Evolution</i> 22:67-71.
71	Malik, S.V.S*, Das, D.P., Rawool, D.B., Kumar, .A, Suryawanshi, R.D., Negi, M., Vergis, J., Doijad, S. and <b>Barbuddhe S.B.</b> (2013). Screening of foods of animal origin for <i>Coxiella burnetii</i> in India. <i>Advances in Animal and Veterinary Sciences</i> 1 (4): 107 – 110.
72	Dhaka, P., Malik, S.V.S., Yadav, J.P., Kumar, M., Vergis, J., Sahu, R., John, L., <b>Barbuddhe, S.B.</b> and Rawool, D.B*. (2016). Seroscreening of lactating cattle for coxiellosis by trans-PCR and commercial ELISA in Kerala, India. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 5:377-383.
73	Das, D.P., Malik, S.V.S., Sahu, R., Yadav, J.P., Rawool, D.B. and <b>Barbuddhe, S.B.</b> , 2018. Loop-mediated isothermal amplification assay for detection of <i>Coxiella burnetii</i> targeting the com1 gene. <i>Journal of Microbiological Methods</i> , 155, pp.55-58.
74	Sahu, R., Kale, S.B., Vergis, J., Dhaka, P., Kumar, M., Choudhary, M., Jain, L., Choudhary, B.K., Rawool, D.B., Chaudhari, S.P. Kurkure, N.V. and <b>Barbuddhe, S.B.</b> 2018. Apparent
75	prevalence and risk factors associated with occurrence of <i>Coxiella burnetii</i> infection in goats and humans in Chhattisgarh and Odisha, India. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 60, pp.46-51.
76	Dhaka, P., Malik, S.V.S., Yadav, J.P., Ghosh, S., Kumar, M., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2020. Molecular Investigation of the Status of Ticks on Infected Cattle for <i>Coxiella burnetii</i> in India. <i>Acta Parasitologica</i> , pp.1-4
77	Yadav, J.P., Malik, S.V.S., Dhaka, P., Kumar, M., Sirsant, B., Gourkhede, D., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2020. Comparison of two new in-house Latex Agglutination Tests (LATs), based on the DnaK and Com1 synthetic peptides of <i>Coxiella burnetii</i> , with a commercial indirect-ELISA, for sero-screening of coxiellosis in bovines. <i>Journal of Microbiological Methods</i> , 170, p.105859.
78	Kumar, M., Malik, S.S., Vergis, J., Ramanjeneya, S., Sahu, R., Pathak, R., Yadav, J.P., Dhaka, P., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2019. Development of the Com1 synthetic peptide-based Latex Agglutination Test (LAT) and its comparative evaluation with commercial indirect-ELISA for sero-screening of coxiellosis in cattle. <i>Journal of Microbiological Methods</i> , 162, pp.83-85.
79	Dhaka, P., Malik, S.V.S., Yadav, J.P., Kumar, M., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2020. Apparent prevalence and risk factors of coxiellosis (Q fever) among dairy herds in India. <i>Plos One</i> , 15(9), p.e0239260.
80	Yadav, J.P., Malik, S.V.S., Dhaka, P., Kumar, A., Kumar, M., Bhoomika, S., Gourkhede, D., Singh, R.V., Barbuddhe, S.B. and Rawool, D.B. 2021. <i>Coxiella burnetii</i> in cattle and their human contacts in a gaushala (cattle shelter) from India and its partial com1 gene sequence-based phylogenetic analysis. <i>Animal Biotechnology</i> . 12:1-10.
	<b>Publications on Brucellosis</b>
81	<b>Barbuddhe, S.B*</b> , Yadava, V.K. and Singh, D.K. (1994). Detection of IgM and IgG antibodies against <i>Brucella</i> by dot-ELISA in humans. <i>Journal of Communicable Diseases</i> , 26: 1-5.
82	<b>Barbuddhe, S.B*</b> , Yadava, V.K. and Singh, D.K. (1994). Comparison of serological tests for diagnosis of caprine brucellosis. <i>Indian Journal of Animal Sciences</i> , 65:1173-1176.
83	Gupta L.K*, Das, S.K.; Ram, G.C.; Bansal, M.P. and <b>Barbuddhe, S.B.</b> (1995). High antigenic property of <i>Brucella</i> lipopolysaccharides associated with proteins. <i>Indian Journal of Comparative Microbiology Immunology and Infectious Diseases</i> , 16: 36-39.
84	Kumar P., Singh, D.K. and <b>Barbuddhe, S.B*</b> . (1996). Seroprevalence of brucellosis among abattoir personnel of Delhi. <i>Journal of Communicable Diseases</i> , 28:131-137.
85	<b>Barbuddhe, S.B*</b> . and Yadava, V.K. (1997). Efficacy of indirect haemolysis test in the diagnosis of human brucellosis. <i>Journal of Communicable Diseases</i> , 29:283-285.
86	Kumar, P*, Singh, D.K. and <b>Barbuddhe, S.B.</b> (1997). Serological evidence of brucellosis in sheep and goats. <i>Indian Journal of Animal Sciences</i> , 67:180-182.
87	Kumar, P*, Singh, D.K. and <b>Barbuddhe, S.B.</b> (1999). Sero-prevalence of brucellosis and comparison of serological tests to diagnose it in buffaloes. <i>Buffalo Journal</i> , 15:361-370.
88	<b>Barbuddhe, S.B*</b> , Prahlad, Kumar; Malik, S.V.S.; Singh, D.K. and Gupta, L.K. (2000). Seropositivity for intracellular bacterial infections among abattoir associated personnel. <i>Journal of Communicable Diseases</i> , 32:295-299.
89	<b>Barbuddhe, S.B*</b> , Chakurkar, E.B., Bale, M.A., Sundaram, R.N.S. and Bansode, R.B. (2003). Prevalence of brucellosis in organized dairy farms in Goa region. <i>Indian Journal of Animal Sciences</i> 74: 1030-1031.



90	<b>Barbuddhe, S.B*</b> , Isloor, S., Chakurkar, E.B., Swain, B.K., Barman, D. and Rajasekhar, M. (2003) Prevalence of <i>Brucella</i> antibodies in bulk milk samples in Goa region. <i>Journal of Veterinary Public Health</i> . 1 (2): 173-175.
91	Pathak, A.D., Dubal, Z. B., Doijad S. P., Raorane A.V., Rodrigues, S., Naik, R., Naik-Gaonkar, S., Kalorey D. R., Kurkure, N.V., Naik, R. and <b>Barbuddhe, S.B*</b> . (2014). Human brucellosis among pyrexia of unknown origin (PUO) cases and occupationally exposed individuals in Goa Region, India. <i>Emerging Health Threats</i> 7: 23846.
92	Pathak, A.D., Dubal, Z.B., Karunakaran, M., Doijad, S.P., Raorane, A.V., Dhuri, R.B., Bale, M.A., Chakurkar, E.B., Kalorey, D.R., Kurkure, N.V., and <b>Barbuddhe, S.B*</b> . (2016). Apparent seroprevalence, isolation and identification of risk factors for brucellosis among dairy cattle in Goa, India. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> 47, 1-6.
93	Shome, R., Kalleshmurthy, T., Shankaranarayana, P.B., Giribattanvar, P., Chandrashekar, N., Mohandoss, N., Shome, B.R., Kumar, A., <b>Barbuddhe, S.B*</b> . and Rahman H. (2017). Prevalence and risk factors of brucellosis among veterinary health care professionals. <i>Pathogens and Global Health</i> . 111(5):234-239.
94	Kishnani, P.M., Tiwari, A.A., Mangalgi, S.S., <b>Barbuddhe, S.B.</b> , Daginawala, H.F., Singh, L.R. and Kashyap, R.S*. 2018. Whole-genome sequence of <i>Brucella melitensis</i> CIIMS-BH-2,
95	a biovar 2 strain isolated from human blood. <i>Genome Announcement</i> , 6:e00079-18. <a href="https://doi.org/10.1128/genomeA.00079-18">https://doi.org/10.1128/genomeA.00079-18</a> .
96	Shome, R., Kalleshmurthy, T., Shome, B.R., Sahay, S., Natesan, K., Bambal, R.G., Sairiwal, L., Mohandoss, N. and <b>Barbuddhe, S.B.</b> , 2018. Lateral flow assay for brucellosis testing in multiple livestock species. <i>Journal of Microbiological Methods</i> , 148, 93-96.
97	Shome, R., Triveni, K., Swati, S., Ranjitha, S., Krithiga, N., Shome, B.R., Nagalingam, M., Rahman, H. and <b>Barbuddhe, S.B.</b> , 2019. Spatial seroprevalence of bovine brucellosis in India—A large random sampling survey. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 65, pp.124-127.
98	Kalleshmurthy, T., Yaranna, C., Shekar, R., Natesan, K., Sahay, S., Shome, B.R., Rahman, H., <b>Barbuddhe, S.B.</b> , Barman, N.N., Das, S.K. and Shome, R., 2019. Fluorescence polarization assay: Diagnostic evaluation for porcine brucellosis. <i>Journal of Microbiological Methods</i> , 156, pp.46-51
99	Shome, R., Kalleshmurthy, T., Natesan, K., Jayaprakash, K.R., Byrareddy, K., Mohandoss, N., Sahay, S., Shome, B.R., Hiremath, J., Rahman, H. and <b>Barbuddhe, S.B.</b> , 2019. Serological and molecular analysis for brucellosis in selected swine herds from Southern India. <i>Journal of Infection and Public Health</i> , 12(2), pp.247-251.
100	Kalleshmurthy, T., Shekar, R., Niranjanamurthy, H.H., Natesan, K., Shome, B.R., Bambal, R.G., Sairiwal, L., <b>Barbuddhe, S.B.</b> , Sahare, A., Kilari, S. and Rahman, H., 2018. Assessment of fluorescence polarization assay: a candid diagnostic tool in <i>Brucella abortus</i> strain 19 vaccinated areas. <i>Microbiology and Immunology</i> , 62(11), pp.694-701.
	<b>Publications on Staphylococcus spp. and mastitis</b>
101	Kalorey, D.R*, Shanmugam, Y., Kurkure, N.V., Chousalkar, K. K. and <b>Barbuddhe, S.B</b> (2007). PCR based detection of genes encoding virulence determinants in <i>Staphylococcus aureus</i> from bovine subclinical mastitis cases. <i>Journal of Veterinary Science</i> 8(2): 151-154.
102	Dhanawade N. B., Kalorey D. R., Srinivasan R., <b>Barbuddhe S.B*</b> . and Kurkure N. V. (2010). Detection of intercellular adhesion genes and biofilm production in <i>Staphylococcus aureus</i> isolated from bovine subclinical mastitis. <i>Veterinary Research Communications</i> , 34:81-89.
103	Shome, B., Das Mitra, S., Bhuvana, M., Krithiga, N., Velu, D., Shome, R., Isloor, S, <b>Barbuddhe, S.B*</b> , Rahman, H. (2011). Multiplex PCR assay for species identification of bovine mastitis pathogens. <i>Journal of Applied Microbiology</i> , 111(6):1349-1356.
104	Chavhan, S., Kalorey, D.R., Nagdive, A.A., Purohit, H.J., <b>Barbuddhe, S.B.</b> , Kurkure, N.V*. (2012) Molecular characterization of intercellular adhesion gene in <i>Staphylococcus aureus</i> isolated from bovine mastitic milk. <i>Tropical Animal Health Production</i> 44:247-252.
105	Shome, B.R., Bhuvana, M., Mitra, S.D., Krithiga, N., Shome, R., Velu, D., Banerjee, A., <b>Barbuddhe, S.B*</b> , Prabhudas, K. and Rahman H. (2012) Molecular characterization of <i>Streptococcus agalactiae</i> and <i>Streptococcus uberis</i> isolates from bovine milk. <i>Tropical Animal Health Production</i> 44:1981-1992.
106	Sunagar, R., Deore, S.N., Deshpande, P.V., Rizwan, A., Sannejal, A.D., Sundareshan, S., Rawool, D.B., <b>Barbuddhe, S.B.</b> , Jhala, M.K., Bannalikal, A.S., Mugalikal, D.M., Kumari, V.J., Dhanalakshmi, K., Reddy, Y.N., Rao, P.P., Babra, C., Tiwari, J.G., Mukkur, T.K., Costantino, P., Wetherall, J.D, Isloor, S. and Hegde, N.R*. (2013) Differentiation of <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> by PCR for the fibrinogen binding protein gene. <i>Journal of Dairy Science</i> 96: 2857-2865.

	<b>Publications on <i>Escherichia coli</i></b>
107	Dubal, Z.B*, Awasthe, R.K., Haque, N., Toppo, S., Murugkar, H. and <b>Barbuddhe, S.B.</b> (2009). Efficacy of medicinal plant extracts and antimicrobials on different serotypes of <i>Escherichia coli</i> . <i>Indian Journal of Animal Sciences</i> , <b>79</b> :15-18..
108	D'Costa D., Bhosle S.N., Dhuri R.B., Doijad, S.P., Poharkar, K.P., Kalorey, D.R. and <b>Barbuddhe, S. B*</b> . (2013) Prevalence, serogroups, shiga-toxin genes and pulsed field gel electrophoresis analyses of <i>Escherichia coli</i> isolated from bovine milk. <i>Proceedings of the National Academy of Sciences India Section B: Biological Sciences</i> <b>83</b> (3):423–429
109	Kurkure, N.V*, Chopade, N.A., Narkhede, H.P., <b>Barbuddhe, S.B.</b> , Bhandarkar A.G. and Kalorey D.R. (2013) PCR analysis of <i>Escherichia coli</i> virulent strains Isolated from apparently healthy pigs. <i>Indian Veterinary Journal</i> . 90:9-11.
110	Poharkar, K.V., Kerkar, S., Doijad, S.P. and <b>Barbuddhe, S.B*</b> . (2014). Prevalence and genetic profiles of <i>Escherichia coli</i> from mangroves and mangrove associated foods off Goa, India. <i>Marine Pollution Bulletin</i> , 85(1):86-91.
111	Rawool, D.B*, Vergis, J., Vijay, D., Dhaka, P., Negi, M., Kumar, M., Nair, A., Poharkar, K.V., Kurkure, N.V., Kumar, A., Malik, S.V., <b>Barbuddhe, S.B.</b> (2015) Evaluation of a PCR targeting fimbrial subunit gene (fimA) for rapid and reliable detection of enteroaggregative <i>Escherichia coli</i> recovered from human and animal diarrhoeal cases. <i>Journal of Microbiological Methods</i> . 110:45-48.
112	Vijay, D., Dhaka, P., Vergis, J., Negi, M., Mohan, V., Kumar, M., Doijad, S., Poharkar, K., Kumar, A., Malik, S.S., <b>Barbuddhe, S.B.</b> and Rawool, D.B*. (2015) Characterization and biofilm forming ability of diarrhoeagenic enteroaggregative <i>Escherichia coli</i> isolates recovered from human infants and young animals. <i>Comparative Immunology Microbiology and Infectious Diseases</i> 38:21-31.
113	Dhaka, P., Vijay, D., Vergis, J., Negi, M., Kumar, M., Mohan, V., Doijad, S., Poharkar, K.V., Malik, S.S., <b>Barbuddhe, S.B.</b> and Rawool, D.B*. (2016). Genetic diversity and antibiogram profile of diarrhoeagenic <i>Escherichia coli</i> pathotypes isolated from human, animal, foods and associated environmental sources. <i>Infection Ecology and Epidemiology</i> , 6:31055.
114	Kumar, M., Dhaka, P., Vijay, D., Vergis, J., Mohan, V., Kumar, A., Kurkure, N.V., <b>Barbuddhe, S. B.</b> , Malik, S.V. and Rawool, D.B*. (2016). Antimicrobial effects of <i>Lactobacillus plantarum</i> and <i>acidophilus</i> against multidrug-resistant enteroaggregative <i>Escherichia coli</i> . <i>International Journal of Antimicrobial Agents</i> . <b>48</b> : 265-270.
115	Vergis, J., Pathak, R., Kumar, M., Sunitha, R., Malik, S.V.S., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2018. A comparative study for detection of extended spectrum $\beta$ -lactamase (ESBL) production by Enteroaggregative <i>Escherichia coli</i> (EAEC) strains using double disc, nitrocefin and PCR assays. <i>Journal of Microbiological Methods</i> , 151, pp.57-61
116	Vergis, J., Malik, S.V.S., Pathak, R., Kumar, M., Sunitha, R., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2019. Efficacy of Indolicidin, Cecropin A (1-7)-Melittin (CAMA) and Their Combination Against Biofilm-Forming Multidrug-Resistant Enteroaggregative <i>Escherichia coli</i> . <i>Probiotics and Antimicrobial Proteins</i> , pp.1-11.
117	Vergis, J., Malik, S.V.S., Pathak, R., Kumar, M., Ramanjaneya, S., Kurkure, N.V., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2019. Antimicrobial efficacy of Indolicidin against multi-drug resistant enteroaggregative <i>Escherichia coli</i> in a <i>Galleria mellonella</i> model. <i>Frontiers in Microbiology</i> , 10, p.2723.
118	Vergis, J., Malik, S.S., Pathak, R., Kumar, M., Ramanjaneya, S., Kurkure, N.V., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2020. Exploiting Lactoferricin (17–30) as a potential antimicrobial and antibiofilm candidate against multi-drug-resistant enteroaggregative <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 11, p.2168.
119	Vergis J, Malik SVS, Pathak R, Kumar M, Kurkure NV, <b>Barbuddhe SB</b> , Rawool DB. 2021. Exploring <i>Galleria mellonella</i> larval model to evaluate antibacterial efficacy of Cecropin A (1-7)-Melittin against multi-drug resistant enteroaggregative <i>Escherichia coli</i> . <i>Pathogens and Disease</i> . 79(3):ftab010.
	<b>Publications on <i>Mycobacterium paratuberculosis</i>, <i>Leptospira</i>, <i>Pasteurella</i>, <i>Salmonella</i>, <i>Leclercia</i>, <i>Scrub typhus</i>, <i>Toxoplasma</i> and <i>rotavirus</i></b>
120	Bhide, M*, Chakurkar, E., Tkacikova, L., <b>Barbuddhe, S.</b> , Novak, M. and Mikula, I. (2006). IS900-PCR-based detection and characterization of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> from buffy coat of cattle and sheep. <i>Veterinary Microbiology</i> <b>112</b> (1):33-41.
121	Kalorey, D.R*, Yuvaraj, S., Vanjari, S.S., Gunjal, P.S., Dhanawade, N. B., <b>Barbuddhe, S.B.</b> and Bhandarkar, A.G. (2007). PCR analysis of <i>Pasteurella multocida</i> isolates from an outbreak of pasteurellosis in Indian pigs. <i>Comparative Immunology Microbiology and Infectious Diseases</i> <b>31</b> :459-465.

122	Gangadhar, N.L*., Prabhudas, K., Rajasekhar, M., Bhushan, S., Sultana, M., <b>Barbuddhe, S.B.</b> and Rahman, H. (2008). Prevalence of <i>Leptospira</i> infection in animals and man- a potential public health risk in India. <i>Scientific and Technical Review, O.I.E.</i> <b>27(3)</b> :885-892.
123	Dubal, Z.B*., Bhilegaonkar, K.N., <b>Barbuddhe, S.B.</b> , Kolhe, R.P., Kaur, S., Rawat, S., Nambiar, P., and Karunakaran M. (2013) Prevalence and genotypic (G and P) determination of porcine group A rotaviruses from different regions of India. <i>Tropical Animal Health Production</i> 45:609-615.
124	Dubal, Z.B*., Mawlong, M., Susngi, B., Sanjukta, R., Puro, K., Ghatak, S., Sen, A., Shakuntala I., <b>Barbuddhe, S.B.</b> , Ahuja, A. and Bhattacharjee, U. (2014). Comparison of agarose gel electrophoresis and RNA-PAGE for rapid detection of rotavirus from fecal samples. <i>Journal of Applied Animal Research</i> , 43: 77-82.
125	Nair, A., Rawool, D.B*., Doijad, S., Poharkar K., Mohan, V., <b>Barbuddhe, S.B.</b> , Kolhe, R., Kurkure, N.V., Kumar, A., Malik, S.V.S. and Balasaravana, T. (2015). Biofilm formation and genetic diversity of <i>Salmonella</i> isolates recovered from clinical, food, poultry and environmental sources. <i>Infection, Genetics and Evolution</i> , <b>36</b> : 424-433.
126	Poharkar, K.V., Kerkar, S*., D'Costa, D., Doijad, S., <b>Barbuddhe S.B.</b> (2016). Mangrove ecosystems: An adopted habitat for pathogenic <i>Salmonella</i> spp. <i>Water Environment Research</i> 88(3):264-271.
127	Bhate, R., Pansare, N., Chaudhari, S.P*., <b>Barbuddhe, S.B.</b> , Choudhary, V.K., Kurkure, N.V. and Kolte, S.W. (2017). Prevalence and phylogenetic analysis of <i>Orientia tsutsugamushi</i> in rodents and mites from Central India. <i>Vector Borne and Zoonotic Diseases</i> . 17(11):749-754.
128	Akhunji, B., Bhate, R., Pansare, N., Chaudhari, S.P., Khan, W., Kurkure, N.V., Kolte, S.W. 2019., <b>Barbuddhe SB.</b> Distribution of <i>Orientia tsutsugamushi</i> in rodents and mites collected from Central India. <i>Environmental Monitoring and Assessment</i> . 191(2):82.
129	Choudhary, M*., Choudhary, B.K., Bhojar, S., Kale, S.B., Chaudhari, S.P., Bera, B.C., Jain, A., <b>Barbuddhe, S.B.</b> (2017). Isolation and characterization of multi-drug resistant <i>Leclercia</i> species from Animal clinical case. <i>Letters in Applied Microbiology</i> . 66:44-48.
130	Gourkhede, D.P., Bhoomika, S., Pathak, R., Yadav, J.P., Nishanth, D., Vergis, J., Malik, S.V.S., <b>Barbuddhe, S.B.</b> and Rawool, D.B., 2020. Antimicrobial efficacy of Cecropin A (1–7)-Melittidin and Lactoferricin (17–30) against multi-drug resistant <i>Salmonella</i> Enteritidis. <i>Microbial Pathogenesis</i> , 147, p.104405
131	Deshmukh, A.S., Hebbar, B.K., Mitra, P., Shinde, S., Chaudhari, S. and Barbuddhe, S.B. 2021. Seroprevalence and risk factors of <i>Toxoplasma gondii</i> infection among veterinary personnel and abattoir workers in Central India. <i>Parasitology International</i> . 84:102402.
	<b>Others</b>
132	<b>Barbuddhe S.B*</b> , Sundaram R.N.S., Chakurkar E.B., Sahare A.M., Swain B.K. (2005). Seroprevalence of contagious caprine pleuropneumonia, blue tongue and peste des petits de ruminants among goats in Goa region. <i>Indian Journal of Comparative Microbiology Immunology and Infectious Diseases</i> <b>26</b> :42-43.
133	Malik, S.V.S*., Rao, J.R., Samanta, S., <b>Barbuddhe, S.B.</b> , Shakuntala, I. and Rawool, D.B. (2006). Seroprevalence of toxoplasmosis in humans, animals and poultry by modified agglutination test. <i>Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases</i> . <b>26</b> : 86-88.
134	Prabhu Khorjuvenkar S.N., Doijad S. P., Poharkar, K., Dubal, Z.B and <b>Barbuddhe, S.B*</b> . (2014). Antimicrobial activity of a novel <i>Pichia membranifaciens</i> strain isolated from naturally fermented cashew apple juice. <i>Proceedings of the National Academy of Sciences India Section B: Biological Sciences</i> 86:125-129.
135	Dubal Z.B*, <b>Barbuddhe S.B.</b> and Singh N.P. (2013). Epidemics of emerging and re-emerging viral zoonotic diseases in India- an overview. <i>Journal of Communicable Diseases</i> . 45(3&4): 207-224.
136	Chakurkar, E. B*., Naik, S.S., <b>Barbuddhe, S.B.</b> , Karunakaran, M., Naik, P.K. and N.P. Singh (2015). Seminal attributes and sperm morphology of Agonda Goan pigs. <i>Journal of Applied Animal Research</i> , 44:130-134.
137	Kapgate, S.S., <b>Barbuddhe, S.B*</b> , Kumanan, K. (2015) Next generation sequencing technologies: tool to study avian virus diversity. <i>Acta Virologica</i> . 59(1):3-13.
138	Kapgate, S.S., Kumanan, K., Vijayarani, K. and <b>Barbuddhe, S.B.</b> , 2018. Avian parvovirus: classification, phylogeny, pathogenesis and diagnosis. <i>Avian Pathology</i> , 47(6), pp.536-545.
139	Girish, P.S., <b>Barbuddhe, S.B.</b> , Kumari, A., Rawool, D.B., Karabasanavar, N.S., Muthukumar, M. and Vaithyanathan, S., 2020. Rapid detection of pork using alkaline lysis-Loop Mediated Isothermal Amplification (AL-LAMP) technique. <i>Food Control</i> , 110, p.107015.
140	Choudhary, M., Choudhary, B.K., Ghosh, R.C., Bhojar, S., Chaudhari, S. and <b>Barbuddhe, S.B.</b> , 2019. Cultivable microbiota and pulmonary lesions in polymicrobial bovine pneumonia. <i>Microbial Pathogenesis</i> , 134, p.103577.