

Curriculum Vitae



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Educational Qualifications

Ph.D. Microbiology: Worked at Influenza Group, NIV, Pune, India, on “Rapid diagnosis and antigenic characterization of Indian type A influenza virus strains with indigenous monoclonal antibodies”.

M.Sc. Microbiology: Obtained First class. Done at Microbiology department of Pune University, Pune, India. Dissertation done at Department of Biochemical Engineering, National Chemical Laboratory Pune, India.

Current Position: Working as Scientist B, Influenza Group, Microbial Containment Complex (MCC) - National Institute of Virology, Pune, India.

Responsibilities: Responsible for Influenza Group’s research and outbreak investigation activities.

Projects undertaken

Functions	Project Name
Principle Investigator	Avian influenza surveillance in wild migratory, resident, domestic birds and in poultry during avian migratory seasons 2006-2009
Principle Investigator	Pre-clinical efficacy study of pandemic influenza (H1N1) 2009 inactivated and live attenuated vaccine in mice
Co-investigator	Outbreak investigations of highly pathogenic avian influenza H5N1 in poultry in India
Co-investigator	Phase II and Phase III clinical trials of pandemic influenza (H1N1) 2009 live attenuated (LAIIV) vaccine (SIIL-NIV)
Co-investigator	Seroprevalence of pandemic influenza (H1N1) 2009 infections in Pune

Publications

1. **Pawar SD** et al., A Novel Avian Influenza A(H1N1) virus from wild Eurasian Spoonbills revealing a Eurasian-American genetic reassortment. *Virus Genes*, 2010, DOI 10.1007/s11262-010-0487-2. **Impact factor 1.4**
2. **Pawar, SD** et al., Avian influenza surveillance in wild migratory, resident, domestic birds and in poultry in Maharashtra & Manipur, India, during avian migratory season 2006-2007. *Curr. Sci.*, 2009, 97, 550-554. **Impact factor 0.8**

3. **Pawar SD et al.**, Propagation of Chandipura virus in Chick embryos. *Indian J of Exp Biol.*, 2005, 43, 930-932. **Impact factor 0.55**
4. Chakrabarti AK., **Pawar SD et al.**, Characterization of the Influenza A H5N1 viruses of the 2008 outbreaks in India reveals a third introduction and possible endemicity, *PLOS One*, 2009, 4 (11): e7846. **Impact factor 4.4**
5. Gurav YK, **Pawar SD** et al., An outbreak of pandemic influenza A(H1N1) in a boarding school in Panchgani, Maharashtra, India in June-July 2009. *IJMR* 132, 2010, 67-71. **Impact factor 1.88**
6. BL Rao, SS Gandhe, **SD Pawar**, VA Arankalle, SC Shah, AA Kinkier. First Detection of Human Metapneumovirus in children with acute respiratory infection in India: a preliminary report. *J Clin Microbiol.*, 2004, 42, 5961-5962. **Impact factor 3.94**
7. Koninika Ray, Varsha A Potdar, Sarah S Cherian, **Shailesh D Pawar**, Santosh M Jadhav, Shamal R Waregaonkar, Anshu A Joshi, Akhilesh C Mishra, Characterization of the complete genome of influenza A (H5N1) virus isolated during the 2006 outbreak in poultry in India, *Virus Gen.*, 2008, 36(2), 345-53. **Impact factor 1.4**
8. Akhilesh Mishra, Sarah Cherian, Alok Chakrabarti, **Shailesh Pawar**, Santosh Jadhav, Biswajoy Pal, Satish Raut, Santosh Koratkar, Sadhana Kode. A unique influenza A (H5N1) virus causing a focal poultry outbreak in 2007 in Manipur, India. *Virol J.* 6:26, 2009. **Impact factor 2.44**
9. Vidya Avinash Arankalle, Shrotri Sandhya, Prabhakar, Walimbe Atul Madhukar, Hanumaih, **Pawar Shailesh Dattatraya**, and Mishra Akhilesh Chandra. G, N, and P Gene-based Analysis of Chandipura Viruses, India. *Emerg Infect Dis.*, 2005, 11, 123-126. **Impact factor 6.77**
10. Yeolekar LR, Kulkarni PB, **Pawar SD**, Rao BL. Influenza surveillance in Pune, India: Reappearance of B/Victoria/2/87-like influenza virus strain in 2002. *Curr Sci.*, 2004, 86, 966-968. **Impact factor 0.8**
11. Rao BL et al., A large outbreak of acute encephalitis with high fatality rate in children in Andhra Pradesh, India, in 2003, associated with Chandipura Virus. *Lancet*, 2004; 364(9437): 869-874. *Contribution acknowledged in this paper.*
12. Mishra AC, **Pawar SD**. Swine origin H1N1 Influenza, Swine Flu Manual, IMA (Pune Chapter), October 2009, 22-24.
13. **Shailesh Pawar**. Mucosal immunity and its importance in combating diseases. *Deerghayu International*, vol 16-IV, issue no. 64, Oct-Dec.2000.
14. **Shailesh Pawar**. Emergence of antibiotic resistant super-bugs. *Deerghayu International*, vol 16-III, issue no. 63, July-Sept. 2000.
15. BK Apte, **Shailesh Pawar**. Ecoimmunonutrition. *Deerghayu International*, vol 16-IV, issue no. 64, Oct-Dec.2000.
16. **Shailesh Pawar**. Epidemic investigations in NIV: My Experiences. Published in NIVIA Annual Federation convocation meeting, National Institute of Virology, Pune, India, 2005.
17. Tandale BV, **Pawar SD** et al., Seroepidemiology of pandemic influenza A (H1N1) 2009 virus infections in Pune, India. Under review *BMC Infectious Diseases Journal*. **Impact factor 2.54**
18. **Shailesh Pawar** et al., Pandemic influenza (H1N1) 2009 inactivated adjuvanted injectable and live attenuated intranasal vaccines confer protection in mice. Sent to *Clinical and Vaccine Immunology*. **Impact factor 2.3**

Collaborative work

- The Global Initiative on Sharing AI Data (GISAID; <http://gisaid.org>) that would foster international sharing of AI isolates and data.

- Collaborative work on AI surveillance with Hong Kong University, Hong Kong.
- Collaboration with Ela foundation, Pune for studies on AI surveillance in migratory birds.
- Collaborative work on pandemic influenza (H1N1) 2009 virus vaccine with the Serum Institute of India Limited (SIIL), Pune, India.
- Collaborative work on Avian Influenza surveillance with Regional Disease Diagnostic Laboratory (RDDL), Eastern Region, Kolkata.

Membership of international organizations: Member of Asia Pacific Congress of Medical Virology (APCMV).

Experience as an editor: Worked as an editor for an *international Ayurved Journal Deerghayu International*, vol 16-IV, issue no 64, Oct-Dec.2000.

Teaching Experience

- Working as a visiting faculty in Microbiology Department of Pune University, M.Sc. Virology course at NIV, Pune, India.
- Worked as a faculty in National and International workshops and training programmes. **Involved as a faculty in Bird flu training programmes.**
- Guided research students of M.Sc. Microbiology, Virology for completion of their dissertation for postgraduate degree.

Meetings, Conferences & workshops Attended

- **Invited talk in an international symposium** on AI, New Delhi 28-31 Oct. 2007, Title: Neutralizing antibodies as a surveillance tool for AI. Worked as a repertoire for a session in an international symposium on AI, New Delhi, 28-31 Oct. 2007.
- **Invited talk** on “Avian Influenza Training/Workshop on “Influenza Virus Strain Surveillance” jointly organized by **WHO-CDC-NIV-ICMR** at NIV, Pune, January 20-24, 2007.
- **Invited talk** on “Influenza surveillance in India Asia Pacific Conference on Medical Virology. New Delhi, November 13-15, 2006.
- Training/Workshop on “Avian Influenza Preparedness and Response” jointly organized by NICD-DGHS-CDC-WHO at New Delhi, March 6-9, 2007.
- **Worked as a visiting faculty in training courses on AI**, conducted by Disease Investigation Section, Pune, Department of Animal Husbandry, Government of India, in the year 2006.

Foreign visits

- Worked as a “**Guest Researcher**” at **Centers for Disease Control and Prevention (CDC), Atlanta, USA** (April 26 to June 15, 2007) at Immunology & Pathogenesis Branch, Influenza Division, under supervision of Dr. Jacqueline Katz. **Toronto, Canada, June 17-23, 2007:** Attended and presented work in “Option for the control of Influenza VI” conference, June 17-23, 2007, held in Toronto, Canada.
- Paper presentation in 3rd orthomyxovirus research conference, 28th- 31st July 2005, **Cambridge University, Cambridge, United Kingdom (UK).**