

Scientist Profile

Name	Dr.P.Kannan
Designation	Scientist 'D'
Date of Birth	17.05.1975
Date of Joining	29.01.2004
Date of joining present post	01.09.2015
Discipline	Immunology
Address (off.) including Contact Number*	Department Of Immunology, National Institute for Research In Tuberculosis, Chetput, Chennai-31. 044-28369627/ 9444988350
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• Mandatory	

Educational Qualifications

DEGREE	INSTITUTION AND LOCATION	YEAR(s)	FIELD OF STUDY
B.V.Sc	Madras Veterinary College	1992-98	Veterinary Science
M.V.Sc	Indian Veterinary Research Institute, Izatnagar, U.P	1998-2000	Veterinary Bacteriology
PhD	Indian Veterinary Research Institute, Izatnagar, U.P	2000-2004	Veterinary Bacteriology

1. Research Experience

Institution	Position	From	To
National Institute for Research In Tuberculosis	Scientist 'B'	2004	2011
National Institute for Research In Tuberculosis	Scientist 'C'	2011	2015
National Institute for Research In Tuberculosis	Scientist 'D'	2015	Till Date

2. Membership/Fellowship of Professional Societies/Associations :

- I) Life member of Indian Veterinary Council of India.
- II) Member of Indian Society of Veterinary Immunology and bio-technology
- III) Member CPCSEA

3. Workshops/Conferences/Symposiums

- a. Workshop on Molecular Techniques in Animal Disease Diagnosis from 01.03.2004 to 21.03.2004 at Indian Veterinary Research Institute, Izatnagar, UP.
- b. First National conference on rational use of Animals in research organized by ICMR held at National Inst of Nutrition Hyderabad during Nov.1-2, 2006.
- c. National symposium on Care and Management of Experimental animals –The Present status Organized by Committee for The Purpose of Control and Supervision of Experiments on Animals (CPCSEA) held at Sree Chitra Thirunal Institute for Biomedical sciences and Technology during Feb.15-16, 2007.
- d. Workshop on Role and functions of Inquiry Officer and Presenting Officer in Departmental Proceedings from 02.12.2009 to 04.12.2009 at Parsam Institute of Statutory Rules, Bangalore.
- e. Workshop on Bioethics on 22.01.2010 at National Institute of Epidemiology, Chennai.
- f. Workshop on FACS Techniques from 27.01.2011 to 28.01.2011 at NIRT, Chennai
- g. Workshop on Information and Analytical tools for Medical Researcher on 17.02.2011 at NIRT, Chennai.
- h. Workshop on Research methodology from 31.10.2011 to 11.11.2011 at National Institute of Epidemiology, Chennai
- i. Poster presentation at the Biofest international conference held at Hyderabad during December, 2012
- j. Conference on Zoonotic Mycobacterial infections and their impact on public health held at New Delhi during February, 2013
- k. Institutional Animal Ethics Committee(IAEC) meeting held at Entomology Research Institute, Loyola College, Chennai during March, 2013
- l. Attended Training on “Next Generation sequence analysis” at National Institute for Research in Tuberculosis, Chennai 21st-26th July, 2014.

m. Attended Workshop on “Human Genome Analysis” at Institute of Bio-Informatics, Bangalore July 28th -30th, 2014.

n. Completed Training on “Next generation sequencing-Bio informatics and Data analysis” at AU-KBC centre, Anna University, Chennai 26.05.2015 - 30.05.2015.

4. Awards

Awarded Indian council of Agricultural Research (ICAR) Junior Research Fellow for M.V.Sc degree programme (1998)

Awarded Indian Veterinary Research Institute (IVRI) Senior Research Fellow for PhD degree programme (2000)

5. Publications

1) Aravidhan V, Narayanan S, Gautham N, Prasad V, **Kannan P**, Jacobs WR, Narayanan PR. T-h-2 immunity and CD3+CD45RBlow-activated T-cells in mice immunized with recombinant bacillus Calmette-Guérin expressing HIV-1 principal neutralizing determinant epitope. FEMS Immunology Medical Microbiology 47(2006)45-55. (Impact factor- 2.281)

2) Christy AJ, Dharman K, Dhandapaani G, **Kannan P**, Gupta UD, Gupta P, Ignacimuthu S, Narayanan S. Epitope based recombinant BCG vaccine elicits specific Th1 polarized immune response in BALB/c mice. Vaccine. 2012 Feb 8; 30(7):1364-70. (Impact factor-3.492)

3) **Kannan P**, Veerasamy M, Narayanan S. Characterization of Ffh of *M.tuberculosis* and its interaction with 4.5S RNA. Microbiological Research. 2012; 167(9): 520-5. (Impact factor-2.302)

4) Kumar D, **Kannan P**, Challu VK, Kumar P, S Narayanan. PknE, a serine/ threonine from *M.tuberculosis* has a role in adoptive responses. Arch.Microbiol. 2013; 195(Impact factor-1.861)

5) Balaji S*, **Kannan P***, Arunkumar V, Narayanan, S. Expression, Purification and functional Characterization of AmiA of acetamidase operon of *M.smegmatis*. Microbiological Research, 2014; 169, 873-880(* **These Authors contributed equally to this study**) (Impact factor-2.561)

6) Sujatha Jose, Savarimuthu Ignacimuthu, M. Ramakrishnan, Kavitha Srinivasan, George Thomas, **P. Kannan**, Narayanan S. Expression of GroES TB antigen in tobacco and potato. Plant Cell Tiss Organ Cult, 2014; 119(1):157-169 (Impact factor-2.612)

7) Arunkumar V, Sameer Hassan, **Kannan P**, Narayanan S. *In Silico* and experimental validation of Protein- Protein interactions between PknI and Rv2159 from *M.tuberculosis*. J of Mol Graphics and Modelling, 2015; 62, 283-293 (Impact factor- 2.223)

8) Sakthi S, **Kannan P**, Gupta UD, Gupta P, Narayanan S. Lipoprotein LpqS deficient *M.tuberculosis* mutant is attenuated for virulence in *in vivo* and shows protective efficacy better than BCG in guinea pigs. Vaccine 2016 Feb 3; 34(6):735-43 (Impact factor- 3.624)