

Dr. JOSEPH K. DAVID

Scientist 'C',

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Education

- ◆ Ph.D. (Medical Microbiology) from Postgraduate Institute of Medical Education and Research, Chandigarh India. Research topic: “**Comparison of the molecular types of *Aspergillus flavus* isolated from paranasal sinus mycoses with strains isolated from other deep seated infections and environment**”. January 2000- Nov. 2004.
- ◆ MSc (Medical Technology) (Microbiology with Bacteriology and Mycology as special subject. July 1997-June1999, from PGIMER, Chandigarh.
- ◆ BSc Medical Laboratory Technology, August 1989-March1993, (Clinical Microbiology, Clinical Biochemistry, Pathology) from Medical College, Trivandrum, University of Kerala.

Experience

- ◆ **Lecturer** in Medical Laboratory Technology (MLT). July 1993 to February 1994. Govt. Vocational Higher Secondary School, Ambalapuzha, Kerala, India.
- ◆ **Assistant Lecturer** in M. L. T. February 1994 to July 1997, School of Medical Education, M.G. University Kottayam, Kerala, India.
- ◆ **Lecturer** in M.L.T, August 1999 to December 1999. School of Medical Education, M.G. University Kottayam, Kerala, India.
- ◆ **Senior Research Fellow**, Department of Medical Microbiology, PGIMER, Chandigarh. January 2000 to March 2005.
- ◆ **Research Associate**, Department of Medical Microbiology, PGIMER, Chandigarh. March 2005 to September 2005.
- ◆ **State Laboratory Manager (IBBA)**, National Institute of Epidemiology, Chennai. October 2005 to January 2006.
- ◆ **Senior Research Officer (Scientist 'C')**, National Institute of Epidemiology, Chennai. 24th January 2006 onwards.

Publications

Papers published

- 1) Chakrabarti A, Ghosh A, Prasad GS, David J K, Gupta S, Das A, Sakhuja V, Panda NK, Singh SK, Das S, Chakrabarti T. *Apophysomyces elegans*, an merging zygomycete in India. J.Clin. Microbiol 2003. 2003; **41** (2): 783-8.
- 2) Rajeshwari Sutar, Joseph K. David, K Ganesan , Anup K.Ghosh,Sunit Singhi, Arunaloke Chakrabarti and Anand K.Bachhawat . Comparison of ITS and IGS1 regions for strain typing of clinical and non-clinical isolates of *Pichia anomala*. J Med Microbiol.2004.**53**: 119-123.
- 3) David J K, Ghosh A, Sharma Meera, Chakrabarti A. DNA based typing methods for *Aspergillus flavus*. Proceedings of the International Symposium on “Mycotic infections in the 21st Century”. Eds. Venugopal PV, Venugopal TV, Rajah Muthiah Medical College, Annamalai University, Annamalai Nagar, January 18-20, 2002. 2004:240-251.
- 4) Chakrabarti A, Das A, David J K. Molecular diagnostic methods in mycotic infections. Proceedings of the International Symposium on “Mycotic infections in the 21st Century”. Eds. Venugopal PV, Venugopal TV, Rajah Muthiah Medical College, Annamalai University, Annamalai Nagar, January 18-20, 2002. 2004:97-135.
- 5) David J K. Multilocus sequence typing. SIHAM Mycoses News letter. 2004; 1(3): 6.
- 6) R. S. Jayshree, M. Shafiulla, J. George, J. K. David, P. P. Bapsy, A. Chakrabarti. Microscopic, cultural and molecular evidence of disseminated invasive aspergillosis involving the lungs and the gastrointestinal tract. J. Med. Microbiol (2006), 55, 961–964

Chapters in Manuals

- (1) David J K, Kumar A, Sethi S. Pulse field Gel electrophoresis. In: Manual of 6th National workshop of Indian Association of Mycoplasmologists 2001:104-109.
- (2) David J K, Sethi S, Sharma M, Restriction Fragment Length polymorphism analysis. In Manual of 6th National Workshop of Indian Association of Mycoplasmologists 2001:100-103.

Nucleic acid sequence submitted in the GenBank of NCBI, USA

- (1) Gen Bank Accession No AY 231599 - AY231612

Papers presented in various conferences

- 1) DNA based typing method for *A. flavus*. David J K, Ghosh A, Sharma Meera, Chakrabarti A. Paper presented in the 4th National conference of the Society for Indian Human and animal Mycologists, held at Chidambaram , 2002.
- 2) Microsatellite and Non-transcribed spacer (NTS) region polymorphism analysis for the molecular typing of *A. flavus* strains isolated from paranasal sinus mycoses. David JK, Panda NK, Sharma M, Bachhawat AK and Chakrabarti A. Paper presented in the 5th National conference of the society for Indian Human and Animal Mycologists, held at Chandigarh, 2004.

Foreign Visits:

Advanced training in Rota virus characterization methods and genotyping of untypable strains from Rota virus collection. Centers for Disease Control and Prevention, Atlanta, USA. February 20 – April 05, 2008.

International/National Courses or Workshops attended

1. Certificate course in software and data processing. National Institute of Computer Technology. July 1999.
2. Research Methodology and Bio-statistics course of PGIMER, Chandigarh, April 2000.
3. Use of Public Domain Resources in Biology and Bioinformatics workshop. Bioinformatic Centre, Institute of Microbial Technology. Chandigarh, September 2000.
4. Intensive course of lectures-demonstrations on Safe Use Radioisotopes. Department of Biophysics, PGIMER, Chandigarh. November 2002.
5. Integrated Biological and Behavioral Assessment (IBBA) of HIV State Laboratory Managers training held by Family Health International (FHI) and National AIDS Research Institute (NARI), Pune. 14-18 November 2005.
6. Laboratory Biosecurity and Biosafety workshop organized by National Institute of Virology, Pune, India and Sandia National Laboratory, Albuquerque, USA May 2-4, 2006.
7. Biosecurity and International Non-Proliferation regimes, Sandia National Laboratory, and Institute of Peace and Conflict Studies, New Delhi September 14-15, 2006.
8. Management of Intellectual property rights in Biotechnology, Biotechnology Consortium India Ltd. Chennai, February 22, 2007.
9. Good Clinical Laboratory Practice (GCLP) Training and Workshop, National AIDS Research Institute (NARI), Pune. February 23-25, 2007.
10. ICMR/CDC Laboratory workshop on Norovirus detection and genotyping at The Enterovirus research center, Mumbai, India. September 18-21, 2007.
11. India – United States Forensic epidemiology “Train-The-Trainer” workshop at TRC and NIE, September 16- 19, 2008.
12. Recent challenges in diagnostic bacteriology and antibacterial susceptibility, Dept. of Medical Microbiology, PGIMER, Chandigarh, October 3-5, 2008.

Lectures Delivered/ Invited speech

1. **National and International Disease Surveillance arrangements.** Biosecurity and International Non-Proliferation regimes, Sandia National Laboratory, and Institute of Peace and Conflict Studies, New Delhi September 14-15, 2006.
2. **Good Laboratory Practice and Biosafety.** Mahatma Gandhi University, Kottayam, January 6, 2007.
3. **Good Laboratory Practice and Biosafety.** Mahatma Gandhi University-Regional Center, Puthuppally, February 13, 2007.
4. **Automation in clinical Microbiology.** Mahatma Gandhi University, Regional Center, Eranakulam, May 6, 2008
5. **Molecular approaches in diagnostic microbiology.** Kannur University School of Allied Health Sciences, August 12, 2008.
6. **Diagnostic perspectives in Arboviral infections.** UGC Seminar on recent trends in arboviral disease and control. St.Michael's College, Cherthala. February 6, 2009.

Participated in training as resource person

1. HIV Sentinel Surveillance (HSS) training for Medical Officers and laboratory technicians organized by the TANSAC, Chennai. 18-19 August 2006
2. HSS training for medical officers and laboratory technicians organized by the KSACS , Trivandrum. 20-22 August 2006.
3. HSS training for medical officers and laboratory technicians organized by Orissa state AIDS Control Society. 03-08 October 2007.

Seminars and conferences attended

1. AIDS awareness seminar conducted by the Indian Red Cross Society, Kerala State branch. July 1992. Trivandrum, India.

2. XII Annual conference of Indian Association of Biomedical Scientists. September 1992, Trivandrum, India.
3. AIDS awareness seminar and CME organized by the Dept. of Microbiology, Medical College, Trivandrum and the National Service Scheme. December. 1992. Trivandrum, India.
4. CME on the update on recent advances in laboratory medicine. Jointly organized by Regional Cancer Centre, Sree Chitra Tirunal Institute for Medical Science & Technology and Medical College, Trivandrum. Septmeber 1992.
5. CME cum Workshop in Medical Technology (Microbiology) organised by PGI Medical Technology Alumni Association. October 1997.
6. Northwest chapter meeting of Indian Association of Pathologists & Microbiologists. PGIMER. Chandigarh, India. April 1998.
7. Conference of Northwest chapter of Indian Association of Medical Microbiologists. Government Medical College, Chandigarh, India. September 1998.
8. “Mycology 2000” National conference and workshop organised by S.G.S Medical College, K.E.M Hospital and L.T.M Medical College, Mumbai. October 2000.
9. National conference cum workshop of Indian Association of Mycoplasmologists. Department of Medical Microbiology, PGIMER, Chandigarh. February 2001.
10. Conference of the Association of Basic Medical Scientists on Genomics – the prospective research strategies. PGIMER, Chandigarh, August 2001.
11. Fourth National conference of the Society for Indian Human and Animal Mycologists and International symposium on mycotic infections in 21st century. Rajah Muthiah Medical College, Annamalai University, TamilNadu, India. January 2002.
12. Northwest Chapter meeting of Indian Association of Medical Microbiologists. Department of Medical Microbiology, PGIMER, Chandigarh. October 2002.

13. Scientific Symposium on Proteomics: The emerging trends. Organised by the Association of Basic Medical Scientists. PGIMER, Chandigarh, India. November 2002.
14. "Yeast 2003" International conference on yeast biology, organised by Institute of Microbial Technology, Chandigarh, India. March 2003.
15. Fifth National conference of Society for Indian Human and Animal Mycologists. Department of Medical Microbiology, PGIMER, Chandigarh, India. March 2004.

Memberships

- (i) Indian Association of Medical Microbiologist
- (ii) Society of Indian Human and Animal Mycologist
- (iii) Association of Basic Medical Scientists