

**C. P. Girish Kumar, PhD**

Scientist C (Microbiology)

National Institute of Epidemiology (ICMR)

II Main Road, TNHB, Ayapakkam, Chennai – 600077, INDIA.

**Tel: (Off):** +91-044-26136456

**Fax:** +91-044-26820464 **Email:** girish@icmr.org.in; girishmicro@gmail.com

---

**Educational Qualifications :**

- PhD (Microbiology) from Postgraduate Institute of Basic Medical Sciences, University of Madras, Chennai, India. Research Topic: “Pathogenic Potential of *Candida* spp. from Immunocompromised patients with specific reference to extracellular virulence factors, antifungal resistance, biofilm production and genotypic characteristics”

**Membership of Professional Societies/Associations:**

- American Society for Microbiology (ASM)
- International AIDS Society (IAS)
- International Society of Human and Animal Mycologists (ISHAM)
- International Society for Infectious Diseases (ISID)
- Indian Association of Medical Microbiologists (IAMM)
- Association of Microbiologists of India (AMI)

**Awards/Prizes:**

- International AIDS Society (IAS)- US National Institutes of Health (NIH) scholarship for IAS2009, Cape Town, South Africa (2009).
- Dr. Pankajalakshmi Venugopal Glaxo Meritorious Award conferred by the Society for Indian Human and Animal Mycology (SIHAM) 2006.
- CSIR Senior Research Fellowship at Dr.ALM PGIBMS, University of Madras (2003-2005).
- Third prize in IAMM Quiz at XXV<sup>th</sup> National Congress of Indian Association of Medical Microbiologists (IAMM) 2001.
- Joint Council for Scientific and Industrial Research – University Grants Commission (CSIR-UGC) National Eligibility Test (NET) for Lectureship awardee 2000.
- XI Rank in M.Sc, University of Madras 2000.

**Research Experience:**

- Research Fellow, Tablets India Pvt. Ltd. UICIC Project in the Department of Microbiology, Dr A.L. Mudaliar Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai (Dec 2000 – Mar 2001).
- Project Associate, UGC-INFHES Project in the Department of Microbiology, Dr A.L. Mudaliar Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai (Jun 2002- Jul 2002)
- Senior Research Fellow (CSIR-SRF) in the Department of Microbiology, Dr A.L. Mudaliar Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai (May 2003- Apr 2005)
- PhD Scholar, Department of Microbiology, Dr A.L.Mudaliar Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai (Nov 2000-Aug 2006).
- State Laboratory Manager (IBBA-HIV Project funded by BMGF), National Institute of Epidemiology, Chennai (Feb 2006-Jun 2008).
- Scientist 'C' at National Institute of Epidemiology, Chennai ( July 2008 onwards)

**Teaching Experience:**

- Guest faculty in KRMMC (University of Madras), Chennai for M.Sc., Biotechnology (2002-2004).
- Biology faculty training students for TNPCEE & other Medical Entrance Examinations coaching at Xtel Information Services, Chennai (2004,2005,2007)

**Scientific reviewer:**

- Microbiology and Immunology
- African Journal of Microbiology Research
- Indian Journal of Medical Microbiology
- Indian Journal of Pathology and Microbiology

**Papers/ posters in Conferences as presenter / co-author: 15**

(Presentor underlined)

- 1) Girish Kumar CP, Sridhar G, Kannan I. Standardisation of passive haemagglutination technique for species identification of dried human blood stains. IABMS XX<sup>th</sup> national conference, Chennai (1999).
- 2) Girish Kumar CP, Nadeem, Umamaheswari, Thangam Menon, Kumarasamy N, Thyagarajan SP, Suniti Solomon. Does treatment with antifungals for oral candidiasis contribute to azole resistance in HIV patients? – IAAM I<sup>st</sup> National conference, Chennai (2001).
- 3) Girish Kumar CP, Nadeem, Umamaheswari, Thangam Menon, Kumarasamy N, Thyagarajan SP, Suniti Solomon. Oral carriage of Candida in patients treated with azole antifungals and in untreated patients who are HIV seropositive – XXV<sup>th</sup> IAMM National congress, New Delhi (2001).
- 4) Bindu D, Thangam Menon, Girish Kumar CP, Nalini S, Thirunarayan MA. Detection of ESBL producing strains in cancer patients (Poster). XXVI<sup>th</sup> National congress of Indian Association of Medical Microbiologists (2002).
- 5) Thangam Menon, Girish Kumar CP, Palani Kumar M, Dinesh. Antibacterial activity of restorative cements tested against caries causing bacteria – IAMM Meet on 'Uncommon agents of Disease-Part II', Chennai (2002).

- 6) **Girish Kumar CP**, Thangam Menon, Rajasekaran S. Recovery of multiple species of *Candida* from oral cavity of HIV patients. XXVII<sup>th</sup> National congress of IAMM, Mumbai (2003).
- 7) **Suresh Jothi Kumar S, Girish Kumar CP**, Thangam Menon, Nalini S, Thirunarayan MA. Virulence factors of *Candida* isolated from cancer patients. XXVII<sup>th</sup> National congress of IAMM, Mumbai (2003).
- 8) **Sundararajan T, Girish Kumar CP**, Thangam Menon, Rekha K, Venkatadesikal M. Cutaneous zygomycosis due to *Rhizopus oryzae* in a patient with acute lymphoblastic leukemia in India (Poster). XXVII<sup>th</sup> National congress of IAMM, Mumbai (2003).
- 9) **Girish Kumar CP**, Sundararajan T, Thangam Menon, Rekha K, Venkatadesikal M. Candidosis in children with onco-haematological diseases. SIHAM, V<sup>th</sup> National conference, Chandigarh (2004).
- 10) **Thangam Menon, Girish Kumar CP**. Fungal infections in HIV patients. State Level Seminar on Microbial infections in AIDS at Prof. Dhanapalan College for Women (University of Madras), Chennai (2005).
- 11) Thangam Menon, Sundararajan T, **Girish Kumar CP**, Rekha K, Venkatadesikal M. Cutaneous zygomycosis due to *Rhizopus oryzae* in a patient with acute lymphoblastic leukemia [case presentation], SIHAM, VI<sup>th</sup> National conference, Hyderabad (2006).
- 12) **Girish Kumar CP**, Ahmed Medhat Hanafy, Masakazu Katsu, Yuzuru Mikami, Thangam Menon. Molecular analysis and susceptibility profiling of *Candida albicans* isolates from immunocompromised patients in South India. SIHAM, VI<sup>th</sup> National conference, Hyderabad (2006).
- 13) **Prabu D, Girish Kumar CP**, Thangam Menon, Sundararajan T, Nalini S, Thirunarayan MA, Rajasekaran S, Venkatadesikal M. Esterase activity of *Candida* species from immunocompromised hosts [Poster]. XXX<sup>th</sup> National congress of IAMM, Chennai (2007).
- 14) **Prabu D, Girish Kumar CP**, Thangam Menon, Environmental isolation of *Cryptococcus neoformans* var. *neoformans* and var. *gatti* from living trees in Guindy National Park, Chennai, South India [Poster], XXXI<sup>th</sup> National congress of IAMM, Mangalore (2008).
- 15) **Badrinathan S, Suneeva SC, Rajapratap Reddy P, Girish Kumar CP, Pragasam V**. Phytochemical screening of marine seaweed *Sargassum myriocystum* and antioxidant potential of its organic extracts. International Conference on Biotechnological Solutions for Environmental Sustainability (ICon-BSES), Vellore (2009)

**Invited lectures in symposium/seminar etc.:**

“Structural and molecular aspects of HIV” at the ‘National seminar on recent updates in epidemiology, diagnosis and prevention of HIV at Prof. Dhanapalan College for Women, Chennai (2008).

**Workshops/Conferences/Symposiums attended: 30**

1. Indian Association of Bio Medical Scientists (IABMS) XX<sup>th</sup> National Conference at SRMC & DU, Chennai - 1999.
2. National workshop on Medical Mycology under the auspices of SIHAM at New College, Chennai - Aug 2000.
3. CME Programme on Uncommon agents of disease-- Institute of Cardio-Vascular Diseases (MMM), Chennai - 2000.

4. Indian Association of Medical Microbiologists (IAMM) (TN & Pondicherry chapter), - JIPMER, Pondicherry -2001.
5. IAMM (TN & Pondicherry chapter ) - CMCH, Vellore - 2001.
6. Indian Association of Applied Microbiologists, I<sup>st</sup> National Conference at MSCAS, Chennai - 2001.
7. IAMM XXV<sup>th</sup> National Congress at AIIMS, New Delhi - 2001.
8. AIDS India 2000, Third International conference at IMAGE, Chennai - 2001.
9. CME Programme on Uncommon agents of disease-Part II/Infections - Institute of Cardio-Vascular Diseases (MMM), Chennai - 2002.
10. First Winter Symposium on Cell and Molecular Biology at CMC, Vellore Jan 2003.
11. CME on Current topics of relevance in Microbiology (IAMM-TN & Pondicherry chapter) at Institute of Cardio-Vascular Diseases (MMM), Chennai - Sep 2003.
12. IAMM XXVII<sup>th</sup> National conference at Mumbai, Nov 2003.
13. IAMM workshop on “Recent advances in diagnosis of mycotic infections” at TN Medical College & BYL Nair Hospital, Mumbai - Nov 2003.
14. Symposium on Infectious Diseases (IAMM-TN & Pondy chapter) - KIPM, Chennai - Dec 2003.
15. Society of Indian Human and Animal Mycologists (SIHAM) V<sup>th</sup> National conference, PGIMER, Chandigarh - March 2004.
16. Indo-UK workshop on “Ethics in Medical Research” at University of Madras, Guindy Campus, Chennai - October 2004
17. Third Winter Symposium on Infection and Immunity at CMC, Vellore - Dec 2004.
18. Indo-UK Colloquium on Vaccine Strategies in the 21<sup>st</sup> Century at CMC, Vellore - March, 2005.
19. Indo-UK workshop on “Designing of Doctoral Research for Ph.D. Scholars” at Dr ALM PGIBMS, University of Madras, Taramani Campus, Chennai - March 2005.
20. Pre conference CME on “Anti-fungal chemotherapy – from the laboratory to the bedside” of VI<sup>th</sup> National conference of SIHAM at NIMS & Global Hospitals, Hyderabad - January 2006.
21. SIHAM VI<sup>th</sup> National conference, Hyderabad - January 2006.
22. National Symposium on “Recent Trends in Streptococcal Diseases” conducted by Dept. of Microbiology, Dr ALM PGIBMS, University of Madras, on 25<sup>th</sup> Feb 2006.
23. Good Clinical Laboratory Practice (GCLP) training workshop conducted by PPD at National AIDS Research Institute, Pune 23-25<sup>th</sup> February, 2007.
24. 1<sup>st</sup> course in Basic Medical Mycology and Identification of Fungal Pathogens under auspices of ISHAM in Christian Medical College Hospital, Vellore, 1-4<sup>th</sup> Oct. 2007.
25. National seminar on recent updates in epidemiology, diagnosis and prevention of HIV at Prof. Dhanapalan College for Women, Chennai on 2<sup>nd</sup> Feb, 2008.
26. IBBA Round I- Lessons Learnt Workshop at Mahabaleshwar, 14-15 March 2008.
27. India - United States Forensic epidemiology “Train-The-Trainer’ workshop at TRC & NIE, Sep 16-19, 2008.
28. Indo-German workshop on Molecular epidemiology of infectious diseases at University of Hyderabad, Hyderabad, Nov 28-30, 2008.
29. The Field of HIV Research: An Introduction–Pre-Conference Seminar, Cape Town, South Africa 17-18 July 2009.
30. 5th IAS Conference on HIV Pathogenesis, Treatment and Prevention Cape Town, South Africa 19-22 July 2009.

**Publications: (includes Papers in peer reviewed journals, articles in national scientific magazines and newsletters): 33**

- 1) **Girish Kumar CP**, Prabu D, Hiroki Mitani, Yuzuru Mikami, Thangam Menon. Environmental isolation of *Cryptococcus neoformans* and *Cryptococcus gattii* from living trees in Guindy National Park, Chennai, South India. *Mycoses* 2009 Mar 7 [Epub ahead of print].
- 2) **Girish Kumar CP**, Thangam Menon, S. Rajasekaran, B. Sekar, Prabu D. Carriage of *Candida* species in oral cavities of HIV infected patients in South India. *Mycoses*. 2009;52:44-48.
- 3) Thilakavathi S, Gupte MD, Paranjape RS, Brahmam GNV, Lakshmi R, Rajatashuvra A, Boopathi K, Beena T, Srinivasan K, **Girish Kumar CP**. HIV, sexually transmitted infections and sexual behaviour of male clients of female sex workers in Andhra Pradesh, Tamil Nadu and Maharashtra, India: results of a cross-sectional survey. *AIDS* 2008;22(S5):S69-79.
- 4) **Girish Kumar CP**, Thangam Menon, Rohini PS, Rajasekaran S, Sundararajan T, Venkatesikalum M. Anti-*Candida* antibodies and candidemia in ninety patients with HIV/AIDS and cancer. *J Mycol Méd* 2007; 17:50-53.
- 5) Nandhakumar B, Thangam Menon, **Girish Kumar CP**. A new henna based medium for the differentiation of *Cryptococcus neoformans*. *J Med Microbiol* 2007; 56: 568.
- 6) **Girish Kumar CP**, Thangam Menon, Prabu D, Nandhakumar B. Chlamydo sporulation of *Candida albicans* & *Candida dubliniensis* on Mustard agar. *Mycoses* 2007;50:71-73.
- 7) Anitha CP, Sudarsanam D, **Girish Kumar CP**. Animal Pharming - Present and Future. In Biodiversity in India: Issues & Concerns Eds. S. Kannaiyan & A. Gopalam. Associated Publishing Co. New Delhi. 2007 pp: 13-28.
- 8) **Girish Kumar CP**, Thangam Menon, Sundararajan T, Nalini S, Thirunarayan MA, Rajasekaran S, Venkatesikalum M. Esterase activity of *Candida* species from immunocompromised hosts. *Rev Iberoam Micol* 2006; 23:101-103.
- 9) Thangam Menon, Bindu D, **Girish Kumar CP**, Nalini S, Thirunarayan MA. Comparison of double disc and three dimensional methods to screen for ESBL producers in a tertiary care hospital. *Indian J Med Microbiol* 2006; 24 (2): 117-120.
- 10) Thangam Menon, **Girish Kumar CP**, Dinesh K. Antibacterial activity of glass-ionomer restorative cements and polyacid modified composite resin against cariogenic bacteria. *Indian J Med Microbiol* 2006; 24 (2): 150-151.
- 11) **Girish Kumar CP**, Thangam Menon. Evaluation of Tobacco agar for chlamydo sporulation in *Candida albicans* and *Candida dubliniensis*. *J Mycol Méd* 2006; 16:58.
- 12) **Girish Kumar CP**, Suresh Jothi Kumar S, Thangam Menon. Phospholipase and proteinase activities of clinical isolates of *Candida* from immunocompromised patients. *Mycopathologia* 2006;161:213-218.
- 13) **Girish Kumar CP**, Ahmed Medhat Hanafy, Masakazu Katsu, Yuzuru Mikami, Thangam Menon. Molecular analysis and susceptibility profiling of *Candida albicans* isolates from immunocompromised patients in South India. *Mycopathologia* 2006;161: 153-159.
- 14) Nandhakumar B, **Girish Kumar CP**, Prabu D, Thangam Menon. Mustard seed agar – a new medium for differentiation of *Cryptococcus neoformans*. *J Clin Microbiol* 2006;44(2): 674.
- 15) **Girish Kumar CP**, Thangam Menon. Biofilm production by clinical isolates of *Candida* species. *Med Mycol* 2006; 44: 99-101.

- 16) **Girish Kumar CP**, Thangam Menon, Anitha Devi CP. Bacteria for Breakfast: Probiotics for Good Health. *Advanced Biotech* 2005; 3 (2):15-20.
- 17) Anitha Devi CP, Sudarsanam D, **Girish Kumar CP**. Fly ash Management. *Agrobios Newsletter* 2005; 3(10): 52-53.
- 18) Thangam Menon, **Girish Kumar CP**. Fungal infections in HIV patients. In, Proceedings of 'State Level Seminar on Microbial infections in AIDS', at Prof. Dhanapalan College for Women(University of Madras);2005:pp13-21.
- 19) **Girish Kumar CP**, Sundararajan T, Thangam Menon, Venkatadesikal M. Candidosis in children with onco-haematological diseases in Chennai, S. India. *Jap J Infect Dis* 2005; 58:218-221.
- 20) **Girish Kumar CP**, Thangam Menon. Tobacco agar, - a new medium for chlamydosporulation in *Candida albicans* and *Candida dubliniensis*. *Med Mycol* 2005; 43:473-475.
- 21) **Girish Kumar CP**, Anitha Devi CP, Sudarsanam D. Agroterrorism. *Agrobios Newsletter* 2004; 3 (7): 28.
- 22) **Girish Kumar CP**, Anitha Devi CP. Bioterrorism – what's the ruckus all about??? *Advanced Biotech* 2004; 3(4): 23-27.
- 23) Sundararajan T, **Girish Kumar CP**, Thangam Menon, Rekha K, Venkatadesikal M. Cutaneous zygomycosis due to *Rhizopus oryzae* in a patient with acute lymphoblastic leukemia. *Mycoses* 2004; 47 (11-12): 521-523.
- 24) Palani Kumar M, Vairamani M, Prasada Raju N, Charmaine Lobo, Anbumani N, **Girish Kumar CP**, Thangam Menon, Shanmugasundaram S. Rapid discrimination between strains of beta haemolytic streptococci by intact cell mass spectrometry. *Indian J Med Res* 2004; 119(6): 283-8.
- 25) Anitha Devi CP, Sudarsanam D, **Girish Kumar CP**. Puffer fish – Fact file. *Agrobios Newsletter* 2004; 3 (1): 53-55.
- 26) Anitha Devi CP, Sudarsanam D, **Girish Kumar CP**. Bioinformatics - a new era in Science. *Agrobios Newsletter* 2004; 3 (1): 9-11.
- 27) Anitha Devi CP, **Girish Kumar CP**. DNA Microarray – Monitoring the genome on a chip. *Advanced Biotech* 2004;2(12): 31-34.
- 28) Thangam Menon, Shanmugasundaram S, Palani Kumar M, **Girish Kumar CP**. Group A streptococcal infections of the pharynx in a rural population in S.India. *Indian J Med Res* 2004; 119 (S): 171-3.
- 29) **Girish Kumar CP**, Thangam Menon, Anitha Devi CP. Biofilms – a city of microbes? *Advanced Biotech* 2004; 2 (9): 28-31.
- 30) Palani Kumar M, Thangam Menon, Charmaine Lobo, Anbumani N, **Girish Kumar CP**, Shanmugasundaram S. Biotypes of group A streptococci isolated from children. *J Med Microbiol* 2004; 53: 229-230.
- 31) Anitha Devi CP, **Girish Kumar CP**. Heat Shock Proteins – Molecular Chaperone Machines. *Advanced Biotech* 2003;2(6):6-29.
- 32) Thangam Menon, Shanmugasundaram S, Palani Kumar M, **Girish Kumar CP**. Occurrence of group C Streptococci in children in a South Indian village. *Indian J Pathol Microbiol* 2003;46(3):528-529.
- 33) **Girish Kumar CP**, Nadeem, Umamaheswari, Thangam Menon, Kumarasamy N, Thyagarajan SP, Suniti Solomon. Does treatment with antifungals for oral Candidiasis contribute to azole resistance in HIV patients? *Indian J Appl Microbiol* 2001;1 (1):23-25.