

DR. Shiek Fareeth Ahmed

Chettinad ID 29621

Assistant Professor
(Selection Grade)
Faculty of Allied Health Sciences
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Qualifications:

Ph.D.: 2011, SRM University, Kattankulathur, Tamil Nadu, India.

Research Interests:

Major

Post-Doc / Work Experience:

- 1) 2011 - present: Asst. Professor, Chettinad Hospital and Research Institute (CHRI)
- 2) 2010-2010: Post-doc, Indian Institute of Technology Institute, Madras

Extramural projects ongoing

1) Co-investigator, Antiviral activity of O-sulfated low molecular weight chitosan from industrial waste of cephalopods against herpes simplex virus in vitro, Department of Biotechnology, India.

Research Guidance

Ph.D.: Four

Summary of Research:

Papers	23	Cites/paper	269	h-index	7	Citations	269
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Publications:

1. **Shiek SSJ Ahmed**, Winkins Santosh, Suresh Kumar: Hema T Thanka Christlet: Metabolic profiling of Parkinson's disease: evidence of biomarker from gene expression analysis and rapid neural network detection, *Journal of Biomedical Science*. 2009, 16:63. (PMID: 19594911) (**Impact Factor: 2.76**)
2. **Shiek S.S.J. Ahmed**, Winkins Santosh, Suresh Kumar: Neural network algorithm for the early detection of Parkinson's disease from blood plasma by FTIR micro-spectroscopy, *Vibrational Spectroscopy*. 2010, 53:181-188. (**IF: 2.08**)
3. **Shiek S.S.J. Ahmed**, Winkins Santosh, Suresh Kumar: Metallomic Profiling and oLinkage Map Analysis of Early Parkinson's Disease: A New Insight to Aluminum Marker for the Possible Diagnosis. *PLoS One*. 2010, 5(6): e11252. (PMID: 20582167) (**IF: 4.4**)
4. **Shiek S.S.J. Ahmed**, Winkins Santosh, Suresh Kumar: QSAR and Pharmacophore modeling of 4-arylthieno [3, 2-d] pyrimidine derivatives against A2A receptor of Parkinson's disease. *Journal of Theoretical and Computational Chemistry*. 2010, 9(6): 975-991. (**IF: 0.8**)
5. G Hemamalini , PK Raguath , D Anusha , KT Magesh , **Sheik Fareeth Ahmed**: Relevance of gene signatures in differential diagnosis of mantle cell and B-cell chronic lymphocytic lymphoma. *SRM University Journal of Dental Sciences*. 2010, 1(3):220-224.
6. **Shiek S.S.J. Ahmed**, R.B.Raja, S.Raghuwanshi et al., Studies On The Spectral Lines of Salivary Samples Taken From Smokers And Non-Smokers. *Journal of Health*. 2010, 10:2
7. **Shiek S.S.J. Ahmed**, Winkins Santosh, Srinivasa Chakravarthy, Suresh Kumar: Systems Biological Approach of Neurological Disorders: A Novel Molecular Connectivity to Aging and psychosis. *BMC Systems Biology*. 2011, 5:6. (PMID: 21226925) (**IF: 3.57**)
8. Raguath P, Chitra R, **Mohammad S**, Abhinand P: A systems biological study on the comorbidity of autism spectrum disorders and bipolar disorder. *Bioinformatics*. 2011, 7(3):102-6. (PMID: 22125377)
9. Raguath PK, Reddy BV, Abhinand PA, **Ahmed SS**: Relevance of systems biological approach in the differential diagnosis of invasive lobular carcinoma & invasive ductal carcinoma. *Bioinformatics*. 2012, 8(8):359-64. (PMID: 22570516)
10. **Shiek S.S.J. Ahmed**, Ramakrishnan: Systems biological approach of molecular descriptors connectivity: optimal descriptors for oral bioavailability prediction. *PLoS One*. 2012, 7(7): e40654 (**IF: 4.4**)

11. **Shiek S.S.J. Ahmed** 2013. Systems biology in unruptured intracranial aneurysm: a metabolomics study in serum for the detection of biomarkers. *Metabolomics*.2013, 1-11 (**IF: 3.855**)
12. Kamath MS, **Ahmed SS**, Dhanasekaran M, Winkins Santosh S. Polycaprolactone scaffold engineered for sustained release of resveratrol: therapeutic enhancement in bone tissue engineering 2013, 2014:183-195 (**IF: 4.383**)
13. R Muthukumar, V Alexander, Thangam B, **Ahmed SSSJ**. A Systems Biological Approach Reveals Multiple Crosstalk Mechanism between Gram-Positive and Negative Bacterial Infections: An Insight into Core Mechanism and Unique Molecular Signatures. PLoS ONE 2014, 9(2): e89993. (**IF: 3.73**)
14. S Kumar, **S Ahmed**, W Santosh Novel markers in the early detection of Parkinson's disease: Would serum elemental analysis work? MOVEMENT DISORDERS 2015, 29, S68-S69. (**IF: 5.68**)
15. V Alexandar, PG Nayar, R Murugesan, B Mary, P Darshana, **SSSJ Ahmed**. CardioGenBase: A Literature Based Multi-Omics Database for Major Cardiovascular Diseases. PloS ONE 2015, 10 (12). (**IF: 3.23**)
16. Alexandar V., Pradeep G. Nayar, R. Murugesan, Shajahan S., Jayalakshmi Krishnan and **Shiek S. S. J. Ahmed**. A systems biology and proteomics-based approach identifies SRC and VEGFA as biomarkers in risk factor mediated coronary heart disease. Mol. BioSyst., 2016, Advance Article DOI: 10.1039/C6MB00264A). (**IF: 2.829**).
17. **Shiek S.S.J. Ahmed**, R.S. Akram Husain, Suresh Kumar, V. Ramakrishnan Association between MDR1 gene polymorphisms and Parkinson's disease in Asian and Caucasian populations: a meta-analysis. J. Neurological Sciences 2016, 368: 255-262. (**IF: 2.29**).
18. V Ramakrishnan, TA Alphonsa, RSA Husain, **SSSJ Ahmed**, Association of rs1801582 and rs1801334 PARK2 Polymorphisms with risk of Parkinson's disease: A case-control study in South India and Meta-Analysis. Meta Gene 2016: 10, 32-38
19. V Jayakumar, **SSSJ Ahmed**, KK Ebenezar Multivariate analysis and molecular interaction of curcumin with PPAR γ in high fructose diet induced insulin resistance in rats SpringerPlus 2016; 5 (1), 1732. (**IF: 0.9**).
20. V Ramakrishnan, RSA Husain, **SSSJ Ahmed**. Genetic predisposition of IL-10 promoter polymorphisms with risk of multiple sclerosis: A meta-analysis. Journal of Neuroimmunology 2017; 306, 11-18. (**IF: 2.72**).
21. J Sanya*1, **SSSJ Ahmed***, HKT Ng, T Naiya, E Ghosh, TK Banerjee Metallomic Biomarkers in Cerebrospinal fluid and Serum in patients

with Parkinson's disease in Indian population Scientific reports 2017; 6 (*equally contributed) **(IF: 4.259)**

22. V Ramakrishnan, RSA Husain, **SSSJ Ahmed**. PSEN1 gene polymorphisms in Caucasian Alzheimer's disease: A meta-analysis Clinica Chimica Acta 2017; 473, 65-70. **(IF: 2.87)**

23. **SSSJ Ahmed**, RSA Husain, S Kumar, V Ramakrishnan Association Between NOS1 Gene Polymorphisms and Schizophrenia in Asian and Caucasian Populations: A Meta-Analysis. NeuroMolecular Medicine 2017; 19 (2-3), 452-461. **(IF: 3.37)**

Books published

- Ramakrishnan V, **Shiek S. S. J. Ahmed** (2013) Genetic Associations with Coronary Artery Disease. LAP Lambert Academic Publishing (ISBN 978-3-659- 34060-4).
- V Alexandar, Saravanan R, **Shiek S. S. J. Ahmed** (2015) Marine Bioinformatics for Marine Omics: Principles and Applications. Taylor & Francis Publishers.

Patents & Copyrights

1. "System and Process For Nitric oxide estimation in fluids ", Indian Patent Application No. 5414/CHE/2015.
2. Indian Copyright Reg. of : Computer Software : "CardioGenBase, a multi-omic database and information retrieval system for cardiovascular diseases" Diary Number: 11174/2015-CO/SW.

Sequence Published

Whole genome Sequencing of Mycobacterium avium subsp. paratuberculosis, Using illumina NGS Platform. www.ncbi.nlm.nih.gov/nuccore/CP015495

Chaired Scientific Session

- Chaired Scientific Session at National conference on "Nanotechnology in Medicine" sponsored by Science and Engineering Research Board (SERB) Department of Science and Technology-(DST), Government of India and organized by Faculty of Allied Health Sciences at Chettinad Hospital and Research Institute on 8th -9th September 2017, Tamilnadu, India.

Workshop Attended

- Participated in one day Workshop on "IPR & PATENT FILING" organized by Internal Quality Assurance & Intellectual property Rights Cell, Chettinad Academy of Research and Education, Chennai, India, 8th June, 2017.

Recent Conference papers

- Basil Kuriakose, Akram Husain .RS, Subramaniyan.K, Ramakrishnan .V and Shiek S.S.J. Ahmed "Association of rs 10878307 polymorphism with risk of parkinsons disease - A case control study in south india" International Conference on environment, genes, health and diseases(EGHD) on 22 - 24, August 2017, Department of Human genetics and Molecular biology, Bharathidasan University, Coimbatore, India.
- Ilibagiza Regine, Akram Husain .RS, Viji.D, Ramacharan Reddy.D, Shiek S.S.J. Ahmed and Ramakrishnan .V "Association between *MTHFR* gene polymorphism with diabetic nephropathy risk: A case - contrl study in south india" National conference on Health care and Biotechnology in india:Emerging trends & challenges on 17 -18, August 2017 at PG & Research department of Zoology and Biotechnology, A.V.VM Sri Pushpam College, Poondi, Thanavur, Tamilnadu, India.
- Viji.D, Aswathi.P, Viji.D, Pricilla charmine. P, Akram Husain .RS, Noorul Aameem.S, Shiek S.S.J. Ahmed and Ramakrishnan .V "Association between *ABCC8* gene polymorphism with risk of diabetes mellitus type-2: A case control study in south india" International Conference on environment, genes, health and diseases(EGHD) on 22 - 24, August 2017, Department of Human genetics and Molecular biology, Bharathidasan University, Coimbatore, India.

Journal Editorship/Membership:

- Senior research fellowship, Centre for Scientific and Industrial Research, India
- Research Associate, Centre for Scientific and Industrial Research, India