

Dr.H.Aswathaman *M.Phil, Ph.D (Physics)*



Objective:

Dedicated enthusiastic Professor with more than 16 years teaching and research experience impacting Learners & Organizations.

Accomplishments:

*In my 16-year teaching career, apart from teaching **Physics**, I have*

- *Served as **NBA** coordinator, **Admission Coordinator**, **Curriculum development**, **CSR**, etc.*
- *Published 17 research publications.*
- *Introduced new course “**Introduction to Quantum Computing**” for under graduate students*
- *Use Innovative ways of teaching to infuse confidence in students for their future*

Educational Profile

PhD	Alagappa University, Karaikudi, Tamilnadu. (2011)
M. Phil (Regular)	Dielectric spectroscopy with 71%, Alagappa University,
Post-graduation	M.Sc Physics with 64% ,Alagappa University, Karaikudi.
Under graduation	B.Sc Physics with 61%, Madras University.

Research Profile

Research Area	: Microwave dielectric, NMR and spectroscopic studies
Research title	: “Dielectric Polarization, Relaxation And Spectroscopic Studies On Molecular Interactions Of Selected Organic Liquid Mixtures”
Research area	: Natural based energy materials electrochemical studies and Quantum computing

Research Publications

International Journals: 7	International Conferences: 6
National Conferences: 6	Workshops attended and conducted: 6

Personal Profile

Name	: Dr. H.Aswathaman
Father`s Name	: <i>P.Hari Krishnan</i>
Mother`s Name	: <i>H.Saraswathi</i>
Date of Birth	: <i>20-12-76</i>
Nationality	: <i>Indian</i>

Educational qualification : **M.Sc, M.Phil, Ph.D (Physics)**
 Experience : **16 years teaching experience.**
 Location & contact details : 314 Block C, Sri Balaji Monarch, Carmelaram,
 Doddakannelli, Bengaluru, Karnataka 560035
 Cell : 09663537224, 099408 12993
 Email : aswathphy@gmail.com, aswathamanh@gmail.com

Work Experience				
S.NO	Institution	Duration	No of years	Job description
1.	Future Connect Group/One2Ai Ideations (Opc) Private Limited	From Jul 2021	3 months	Consultant / Trainer For Quantum Computing
2.	Alliance University, Anekal, Bangalore, 562 106, Karnataka	Aug 2012 to Jul 2021	8 years 11 months	Assistant Professor
3.	Adhiyamman Engineering college, Hosur, Tamil Nadu 635109	Jan 2012 to Jul 2012	6 months	Assistant Professor
4.	Vi Institute of Technology, Chennai, Chengalpattu, Tamil Nadu 603108	July 2010 to Nov 2011	1 year 4 months	Assistant Professor
5.	Podhigai College of Engineering, Tirupattur, Tamil Nadu 635602	July 2009 to July 2010	1 year	Assistant Professor
6.	C. Abdul Hakeem College Of engineering and Technology, Melvisharam, Vellore Dt, Tamil Nadu. 632509	Oct 2004 to Mar 2008	3 years 5 months	Lecturer
7.	Alagappa University, Karaikudi , Tamil Nadu 630003 for M.Sc physics	2003	2 semesters	Guest Lecturer

REFERENCE

Dr.Vipin Prasad, Professor and Head , Department of Basic Sciences, Alliance University Bangalor , Karnataka 562106.	Dr.N.Senthil Kumar, Professor, Department of Chemistry, Aringar Anna Govt Arts College, Cheyyar, Tiruvannamalai Dt, Tamil Nadu 604407
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*Many more reference can be given

Declaration

I declare that the foregoing information is correct and complete to the best of my knowledge and belief and nothing has been concealed.

Place : Walajapet

Dr. H.Aswhathaman

International Journals:

1. 'Electrochemical sensors of food colorant- Eosin Y dyes on nano carbon modified electrode'
Materials Today: Proceedings, (Accepted for publication) 2021
S.Rani, R.Dhasarathan, , H.Aswathaman, B.Kavitha , N.Senthil Kumar
2. 'Synthesis, characterization and electrochemical sensors application of MnO₂ nanoparticles'
Materials Today: Proceedings, (Article in press) 2021
A.Shobaa, B.Kavitha, H.Aswathaman, H.Ganesane, N.Senthil Kumar
3. 'Synthesis and Characterization of Partial Blended Green Polymer Electrolytes'
International Journal of Modern Engineering Research, Volume 5, Issue 8 - Aug 2015, 65-70
H.Aswathaman & Chitrakara Hegde
4. 'Dielectric studies of hydrogen bonded complex of anisole with alcohols'
Journal of Molecular Liquids, Volume 140, Issues 1-3, 15 April 2008, Pages 1-5
G.Parthiban, H.Aswathaman .U.shankar and T.Thenappan
5. 'Dielectric investigation of dilute solution of anisole with H-bonded liquids'
Philosophical Magazine Letters 88(2008) 251-258
G.Parthiban, H.Aswathaman .G.Arivazhagan and T.Thenappan
6. 'Dipole moment studies of complexes of alcohols with ethyl bromide'
Journal of Molecular Liquids, Volume 150, Issues 1-3, 15 November 2009, Pages 22-24
T. Indira, G. Parthipan, H. Aswathaman, T. Thenappan

International Conferences:

1. International conference on Microwaves and optoelectronics (ICMO-2007) Dec 17- 20
Dept of Computer science &Information Technology and Dept Of physics
B.A.M University ,Aurangabad, Maharashtra.
"Dielectric studies on the binary mixture of aisole with proponiac acid"
G.Parthiban ,H.Aswathaman,U.Shankar and T.Thenappan.
2. International conference on Microwaves and optoelectronics (ICMO-2007) Dec 17- 20
Dept of Computer science &Information Technology and Dept Of physics
B.A.M University ,Aurangabad, Maharashtra.
' Dielectric studies of Morpholine with some alcohols using TDR'
A.K.S.Jeevaraj,H.Aswathaman,P.Undre,P.W.Khirade,T.Thenappan and S.C.Mehrotra
3. International Conference On Recent Advances In Material Science & Technology-2013
(ICRAMST – 13) 17 th – 19 th January, 2013,
National Institute of Technology Karnataka, Surathkal (NITK)
"Permittivity studies of cyclohexanol with thf using frequency and time domain methods"
H.Aswathaman ,G.Parthiban , P.Undre,P.W.Khirade,T.Thenappan and S.C.Mehrotra
4. Third International conference on Polymer Processing and Characterization (ICPPC 2014),
11- 13 October 2014,Mahatma Gandhi University, Kottayam, Kerala, India
'Characterization of Tapioca Based Partial Green Polymer blended Electrolytes'
H.Aswathaman, Srilatha Rao, Chitrakara Hegde
5. 6th International Conference on. Metals in Genetics, Chemical Biology and Therapeutics
(ICMG-2016). February 17-20, 2016 Indian Institute of science (IISc), Bangalore .
Bench scale DCMD Desalination Chitrakara Hegde, H.Aswathaman,
6. 2 nd International conference on advances in chemistry with specific reference to catalysis, sensors,

drug delivery, energy materials and anti-cancer studies" - **ICACSEM 2022** March 28-29 Madras University.

National Conferences

1. National Seminar on Chemical Physics (NSCP-2003) March 10-11-2003
Department of Physics, Annamalai University, Chidambaram.
'Dielectric studies and fluid structures of DEP in benzene'
H. Aswathaman and T.Thenappan.
2. National Symposium on advances in material science (NSAMS-2005) March 17-19, 2005,
Department of Physics, D.D.U –Gorakhpur University, Gorakhpur 27300
"Dielectric studies of Anisole with o-chlorophenol"
G.Parthiban, A.K.S.Jeevaraj, H.Aswathaman and T.Thenappan.
3. National Symposium on advances in material science (NSAMS-2005) March 17-19, 2005
Department of Physics, D.D.U –Gorakhpur University, Gorakhpur 27300
"Dielectric relaxation study of cyclohexylamine in methanol at microwave frequency using TDR"
A.K.S.Jeevaraj, G.Parthiban, H.Aswathaman, T.Thenappan,traP.Undre,P.W.Khirade and
S.C.Mehrotra
4. National conference on soft computing and intelligent systems (SCIS-08) march **14-15, 2008**
Dept of Information Technology, Bharathiyar College of Engineering and Technology,
Karaikal "Physical realization of quantum computers "**Invited talk**"
5. National conference on insulating materials 2012 Dept of Electrical and Electronics K.S.R
College of Technology, Thiruchengode Nano Dielectric materials in electrical insulation
applications "Invited talk"
6. Two – Day National Conference on Advanced Lithium Ion Batteries: Science and Technology,
(**NALiBST-2019**) - Department of Inorganic and Physical Chemistry, **IISc Bengaluru**
Preliminary studies of Tapioca Based Partial Green Polymer blend with lithium perchlorate as
polymer electrolytes

Workshops: attended and conducted.

1. SERC school on Computational school on Statistical Physics (SERC-CSP) 1-21 Dec, 2008
IIT G (Guwahati) Assam.
2. National workshop on Mico and Nanotechnology –advances and implications, 21-22 March
2008, SCSVMV University, Enathur, Kancheepuram.
3. "Faculty Development Programme on Basic Sciences and Humanities" on 12th Jan 2016
Agni College of Technology, Old Mahabalipuram Road, Thalambur, Tamil Nadu 600130
4. "Workshop cum training program on IOT using raspberry-Pi & Matlab"
Organized at Alliance University, Bangalore, on 21st November 2015.
5. **Guest lecture delivered:** Faculty development programme- Introduction to **Quantum computers**- Pachamuthu College Of Arts & Science , Dharmapuri, Tamilnadu-636 701
6. **Guest lecture delivered:** Faculty development programme- Introduction to **Quantum computers** -, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, India– 600 062.