

Name : R.DAPHNIE
Designation : Lecturer
Department : Physics
Date of Joining : 23-06-2011
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Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
B.Sc.	Physics	Women's Christian College, Nagercoil Manonmanium Sundaranar University	Apr. 1993
M.Sc	(Physics)	-do-	Apr. 1996
B.Ed.	Physical sciences Education	St. Christopher's College of Education, Madras University of Madras	Apr. 1996
M.Ed.	Education	Madurai Kamaraj University	May 2000
M.Phil	Physics	Madurai Kamaraj University	Apr. 2007
M.Phil	Education	Vinayaka Missions University	Apr. 2009
Ph.D	Inter disciplinary – (Education & Physics)	Alagappa University	Aug-2014

Specialisation in Teaching : Digital Electronics, Classical mechanics

Specialisation in Research : Technology mediated Physics evaluation through CAT

Research Interests : Energy Physics

Designation	Institution / Company	Year - From (month/year) To (month/year)
science teacher	Hebron Matriculation Higher Secondary School , Nagercoil	[May1996 - May 1997]
Physics teacher	Carmel convent school, Bangalore.	May 2001 - Jan 2002 & May 2004 – June 2005
lecturer (Physical Sciences)	KSM college of Education, Madurai	June 2005 – Feb 2007
lecturer (Physical Sciences)	CSI college of Education, Pasumalai, Madurai	March 2007-June 2011
lecturer in Physics	The American college, Madurai	since June 2011

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
Examinership and as an External Evaluator	during 2007, 2008, 2009 and 2010 in Madurai Kamaraj University, TNTEU and in IGNOU
NAAC Convener in CSI College of Education, Madurai.	JUNE 2009 – June 2011
Academic Counsellor for IGNOU students	2008 - 2011
NSS Program officer	AUGUST-2014- Till Date

Membership in Professional Bodies:

1. Member of college green club
2. Treasurer in India Youth for Christ, Madurai

Publications:

Articles Published in International Journals:

1. Daphine, R., & Sivakumar, P. (2011). A Study on the Professional Problems Faced by Post Graduate Teachers in Physics, *Indian Journal of Applied Research*, 1 (2), 29-31.
2. Daphine, R., & Sivakumar, P.(2015) Eliminate Gender Disparity In Education Through Technology Integration in Curriculum For Empowering Rural Women, *Human Rights International Research Journal*, 3(1)
3. Daphine, R., Daniel, A.G.K. (2016) Attitude towards Individualization is behind the success in learning science through computer technology. *International Journal of Multidisciplinary Research Review*, 28-30

Articles published in National Journals:

1. Daphine, R. & Daniel, A.G.K.(2011). Test Mode CAI as CAT for Quality Evaluation and Time Reduction, *Innovative Technology in Education* pp. 45-49.
2. Daphine, R., & Sivakumar, P. (2013). Computer Adaptive Test - An efficient students' abilities measurement tool. *University News*, 51(8),pp 14-20.
3. Daphine, R., & Sivakumar, P. (2015).Assessing the Effectiveness of Computer Adaptive Test in identifying the students' Potential. *Indian e- journal of Teacher Education* (2015), 3(2) Pg-56-63
4. Daphine, R., & Sivakumar, P. (2015). Interactive Learning Environment In Classroom Increases Aptitude and Develops Higher Order Thinking Skills, *Journal of Teacher, Learner & Society* (Special Edition)

Conference / Seminar Presentations:

Papers presented in International conferences / symposia / seminars

1. Daphine, R. (2008). Technological Reforms in higher education, in the ICSSR sponsored International conference on Reforms in Higher education in Asia (RHEA-2008), 3rd to 5th March, 2008, at Cardamom planters Association college, Bodinayakanur
2. Kingston, R., Nancy, A.R. & Daphine, R. (2009). Nine Leadership characteristics, in the procd. of UGC sponsored International Conference on Educational Leadership Preparation and Practices in India, 11th to 13th June, 2009, by Sri Ramakrishna Mission Vidyalaya College of Education, Coimbatore in collaboration with Howard University. pp.14-15
3. Daphine, R., Sivakumar, P., & Gabriel, J. P. (2013). Assessing the Effectiveness of Computer Adaptive Test in identifying the students' Potentials. In the procd. of International Conference on Approaches and Strategies for Generation Y learners, , 21st to 23rd June, 2013, by Tamil Nadu Teachers Education University, Chennai, Tamil Nadu, India.
4. Daphne .R., Sivakumar, P. & Gabriel, J. P.(2013). Effectiveness of Computerized Adaptive Test (CAT) on Achievement and Learning Rate in Physics with Special reference to Gender in the International Conference on Social Exclusion of Women (ICSEIW-2013), 20th &21th August 2013,by Alagappa University, Karaikudi & Mother Teresa University, Kodaikanal.
5. Daphine, R., Sivakumar, P.(2014) Aptitude as a predictor of students performance in CAT in Physics concepts in the A Two Day International conference on enhancing excellence, equity and efficiency in higher education(EEEEHE-2014) on 7th &8th NOV 2014, by the Tamil Nadu Open University, Chennai
6. Daphine, R., Sivakumar, P.(2014) Teacher's Role in Implementing Computer Adaptive testing in the Two Day International Seminar On "Blended Learning:Opportunities and Challenges in Higher Education"(BLOCHE-2014) on 13th &14th , Dec-2014 by IQAC-Vysya College , Salem & Dept. Of Edu, Madurai Kamaraj University, Madurai
7. Daphine, R., Sivakumar, P.(2015) Integration Of Technology In Classrooms To Promote 21st century Learning Skills in the Two Day International Conference on "Effect of

Technology in Globalization of Education”(EDTGE-2015) on 22nd &23rd Jan-2015 by Terasa College of Education, Pudukottai

8. Daphine, R., Sivakumar, P.(2015) Impact of Computerized Adaptive Test (CAT) In Rural Female Education in the Two Days International Conference on” Innovations and Initiatives in Teacher Education”(IITE-2015) on 24th &25th Jan-2015 by Kongunadu College Of education, Trichy
- 9 Daphine, R., Sivakumar, P.(2015) Eliminate Gender Disparity In Education Through Technology Integration in Curriculum For Empowering Rural Women in the International Conference on Women Empowerment & Social Sciences on 5th -7th March ,2015 by The American College , Madurai & International Multidisciplinary Research Foundation
10. Daphine, R., Sivakumar, P.(2015) Interactive Learning Environment In Classroom Increases Aptitude and Develops Higher Order Thinking Skills in the International Conference on Rethinking Teaching in the 21st Century on 9th and10th March ,2015 by IQAC, Muslim College of Education, Kanyakumari.
11. Daphine, R., Sivakumar, P.(2015) CAT Practices in ODL, Creates Quality Self centric Interactive Learning Environment in the XX IDEA Annual Conference on Empowering INDIA Through Distance learning: Breaking Down Barriers, Building partnership and Delivering Opportunities on April 23,24 &25,2015 by Tamilnadu Open University, Chennai& Indian Distance Education Association

Papers presented in National seminars /workshops

1. Daphine, R. (2008). Educator’s role in prevention of HIV/AIDS in the UGC sponsored National conference on Combating Evils of AIDS and Drug Addiction Using Student Power, 14th to 16th Feb, 2008, at Annammal College of Education, Thoothukudi
2. Daphine, R. (2008). The Role of Multimedia in Elementary Education, in the compendium of National Seminar on Innovative Practices in Elementary Education, 16th to 17th Dec, 2008, by Directorate of Teacher Education Research and Training, Kallupatti, pp. 241-243.
3. Daphine, R. (2009). Importance Of Training Teachers Of Secondary Level On Environmental Value Education, in the UGC sponsored National Seminar on Promoting Environmental Values among the Teacher Trainees at Secondary Level, 22nd to 23rd Oct, 2009, by DDE & School of Education, Alagappa University, Karaikudi
4. Daphine, R. & Daniel, A.G.K.(2011). Test Mode CAI as CAT for Quality Evaluation and Time Reduction, in Innovative Technology in Education of National Seminar on Integration of Innovative Technology in Teacher Education, 10th to 11th Jan, 2011, by Manonmanium Sundaranar University & Ponjesly college of education, pp. 45-49.
5. Daphine, R. (2011). Introducing Emotional Intelligence in Schools, in the National Seminar on Emotional Intelligence In Teaching Learning Process, 5th Feb. 2011, by NMS Vellaichamy Nadar College Of Education, Madurai, pp. 3
6. Daphine, R. (2011). Reforms in Evaluation Strategy is the need for quality enhancement in teacher education, in the National Conference on Teacher Education Programme for Emerging Needs, 17th & 18th March 2011, by College Of Education, Alagappa University, Karaikudi, pp. 71

Papers presented in State level seminars /workshops

1. Daphine, R. (2011). Computer Adaptive Testing for Evaluation and Time Reduction, in the Abstracts of State level Seminar on Instructional Design: Application of Technology in Classroom Teaching, 24th to 26th Feb. 2011, at Crescent College Of Education For Women, Madurai

Lectures / Talks given:

Guest lecture as Resource person

1. Usage of OHP in classroom teaching for effective instruction in Triple workshop held in CSI College of education, Madurai on 12.09.2009
2. Women's rights in Indian society in the Seminar on Women's equality conducted by Yadava College of education, Madurai on 01.03.2011
3. NAAC Awareness and Submission Related Instructions to the Educators in Balaji College of Education.
4. Served as one of the judges in the District Level School Science Exhibition-2014, organized by the Education Department & RMSA on 15-11-2014, held at O.C.P.M Girls .Hr. Sec. School, Madurai.

Other Activities / Academic Credentials:

Participation in Seminars /workshops

Date	Paper Presentation / Participation
21.01.09	One-day Regional workshop on Application of information and communication technology for Teacher educators in Physical sciences conducted by Centre for educational Research –MKU
21.11.09	Regional seminar on Technology for education conducted by Crescent college of education
19.03.10	Workshop on Constructive based learning Approach conducted by Alagappa University, Karaikudi
15 & 16.06.10	Orientation course on National Curriculum Framework for Educational Research- MKU
11.11.10	Seminar on National education day conducted by Madurai Kamaraj University
20 - 22.01.11	Workshop on 'Web based learning' conducted by CSI College of education
12 - 14.09.12	National Seminar on New Materials Research and Nano technology held at Government Arts College, Udagamandalam
19-11- 2014	. One day work shop on Materials Characterization Techniques: AFM& XRD, on , Sponsered by DST- PURSE, Organized by School of Physics, Madurai Kamaraj University
20-01- 2015	International Workshop On Strongly Correlated Materials(IWSCM-15), On Organized by Centre for High Pressure Research, School of Physics, Bharathidasan University, Tiruchirappalli

Training attended

Date	Programme	Remarks
16.07.07 - 21.07.07	X-elerated Professional Development for Integration of Technology in Teacher Education(XPDITTE)	6 days
	Intel Tech Essential Course (Master Trainer's course)	
27.01.10 - 06.02.10	Data Processing in Social Sciences Research	12 days