RESUME

Name : ALLADI MARY VIJAYA RATNA

Qualification: M.Sc. M.Phil

Education: M.Phil. – Physics (First class), Andhra University.

M.Sc. - Material Science (First Class), Andhra University.

B.Sc. – M.P.C. (First Class), St. Josephs College for women, Andhra University.

Computer Knowledge: C-Language, DOS, MS-OFFICE, HTML, JAVA.

Work Experience: Presently working as faculty of Physics in St. Joseph's College for Women (A) since 2005.

Worked as lecturer in Physics in Gayatri Vidya Parishad College, Visakhapatnam during 2001 – 2004.

Presentations / Publications in Proceedings, of National Seminars/ Conferences:

- 'Feminist Science Fiction's Role in Science Education' in ' Dynamics of Feminist Writers: Global Perspectives' in the Two –Day UG C. International Conference organized by Language Departments, SJC, on 14th and 15th July 2018.
- 'Mathematical Modelling in Theoretical Physics' Published in International Journal of Engineering Development and Research' (www.ijedr.org), Volume 6 ,Issue 2 April 2018. Paper ID: IJEDR 1802141.
- 'Bio-energy- Highly adaptable energy system' Field' Published in e-journal of International Journal Innovative Research in Science and Technology' Volume 5 , Issue 1 June 2018. ISSN (online): 2349-6010, IJIRSTVSI1008; No: 104659.
- 'Environmental Agents – Cellular Phones' Field' Published in e-journal of International Journal Innovative Research in Science and Technology' Volume 5 , Issue 1 June 2018. ISSN (online): 2349-6010, IJIRSTVSI1013; No: 104661.
- 'Wind Power the clean Energy ' Field' Published in International Journal of Engineering Development and Research'(www.ijedr.org), Volume 6 ,Issue 2 April 2018. Paper ID : IJEDR 1802097
- 'Green Synthesis –A Study of its applications in Medical Field' Published in International Journal of Engineering Development and Research'(www.ijedr.org), Volume 6 ,Issue 2 April 2018. Paper ID : IJEDR 1802095

- ‘Bio-energy- Highly adaptable energy system’ in “Emerging trends in harnessing Green Energy” organised by Government degree college, Uravakonda on 28th Feb & 01st mar 2018.

- ‘Green Synthesis – A Study of its applications in Medical Field’ in “ Recent Advances in Materials Science “ organized at Department of Physics , Andhra University on 30th & 31st May 2017.
- ‘Mathematical Modelling in Theoretical Physics’ in “Recent Advances in Mathematics and its Applications” organized by Department of Mathematics , SJC(A), VSP on 17th & 18th November 2016.
- ‘Environmental Agents – Cellular Phones’ in “ The impact of Socio-Economic and Political Development on Environment and Biodiversity” organised by Departments of Economics, Political Science, Zoology & Botany of Dr. V.S.Krishna Government degree & PG College (A), VSP on 28th FEBRUARY 2015.
- ‘Ecology in Theology with reference to our country’ in “Green Technologies” organised by Department of Physics, SJC (A), VSP, on 8th & 9th November 2013.
- ‘Wind Power the clean Energy ’ in “ Green Technologies” organised by Department of Physics ,SJC(A), VSP, on 8th & 9th November 2013.
- ‘Ab initio study of Structural, Electronic, Elastic and Optical properties of cubic pervoskite $LiMgF_3$ ‘ in “Recent Trends and Future Perspectives in Materials Science” organized by Department of Inorganic & Analytical Chemistry , AU , on 28th & 29th June 2013.
- ‘Computational study of Optoelectronic properties of $KMgCl_3$’ in “ Mathematical Modelling in Natural and Physical Sciences” organized by Department of Mathematics, Ch.S.D.St.Theresa’s Autonomous College for Women, Eluru , on 16th & 17th November 2012.
- ‘Density functional theoretical Study of Structural, Electronic and Optical properties of cubic pervoskite semiconductor Bi AlO_3 ‘in “Green Energy and sustainable methods to meet the growing energy needs of the Nation” organised by Department of Physics, M. R.College(A),Vizianagaram on 9th &10 th November 2012.
- ‘First Principles Study on the Structural, Electronic and Optical properties of cubic pervoskite semiconductor $BiGaO_3$ ‘in “Green Energy and sustainable methods to meet the growing energy needs of the Nation” organised by Department of Physics, M.R.College(A),Vizianagaram on 9th &10 th November 2012.
- ‘First Principles Study on the Electronic and Optical properties of half- Heusler semiconductor LiBeN’ in Recent Trends in Advanced Materials” organised by Department of Physics and Chemistry, Sir.C.R.Reddy Autonomous College, Eluru on 27th & 28th January 2012.

<u>Seminars / Workshops / conferences attended</u>:

- “Renewable Energy” at Mrs A.V.N College on 21st Dec 2017.

- “Human values & professional ethics”- Faculty development workshop at SJC (A), on 18th Nov 2017.

- FDP IN “Entrepreneurship development” sponsored by Dept of Science and Technology , New Delhi, at SJC (A), from 23rd Oct – 04th Nov 2017.

- Regional workshop on "CBCS System" at SJC (A) , on 8th & 9th June 2015.
- "Multi Functional Materials "by Dept of Physics, Andhra Loyola College (A), Vijayawada on 6th & 7th March 2013.
- "25 years of Autonomy: Issues, Achievements and Challenges" by IQAC, ay Sri Y.N.College (A), Narsapur 23rd Feb 2013.
- "25 years of Autonomy: Experiences, Reality and Vision" by SJC (A),VSP, on 1st & 2nd Feb 2013.
- "Six day training Programme" organized by APSCHE, Commissioner of Collegiate Education & AU, for under graduate teachers, at Dr.V.S.Krishna Govt/. Degree College from 26th – 31st March 2011.
- "Organizational Culture in Colleges: Paradigm Shift" by SJC (A), VSP, from 15th -17th Nov 2007.
- "Enhancement of Educational Experiences" by Dept of H.Sc, SJC (A), VSP, on 17th & 18th Nov 2006.
- "Emerging Trends in Physics Education and Experimental Physics" by Dept of Physics, V.S.R. & N.V.R. College, Tenali on 27th & 28th 2006.
- "Constructive Pedagogy" by Lens and IQAC by SJC (A), VSP, on 30th July 2005.

- ❖ Successfully completed "ET611Tx: Pedagogy for effective use of ICT for school teachers" a course of study offered by IITBombayX between 06 April 2017-31 May 2017.
- ❖ Delivered a talk on "Environmental Education" for NSS students of SJC (A), VSP on 21st Dec 2007.

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