

**Maris Stella College (Autonomous), Vijayawada**

**Department of Physics**

**Profile of member in the Department of Physics**

Name	: P.Padma Latha
Educational Qualification	: MSc., M.Phil., B.Ed
Designation	: Lecturer in Physics
Years of experience	: 18
Maris Stella College	: 18
G Suite Email Id	: padmalatha1112@marisstella.ac.in
Email Id	: padlat1112@gmail.com
Contact No	: 9849517036
Languages Known	: English, Telugu, Hindi
Areas of Interest	: Space physics, Optics

**Academic Contribution:**

Member of board of Studies, Designing syllabi of courses in Physics subject domain, Preparation of Model Question Papers, Preparation of Question Bank, Project work guidance to Final year UG Students, Preparation of Study material.

**Academic Profile:**

- Additional Controller of Examinations 2020 onwards
- Dean of Student Affairs (2019 -2020)
- Incharge Vice- Principal for intermediate Sections (2015)

**Refresher Courses/Orientation Courses/Short Term Courses Attended: Nil**

**Research Publications:**

1. Journals :
  - a. Published an article on ‘Toxicity and Environmental risks of NanoMaterials: Challenges and future Needs’ in Indian Journal of Research in Pharmacy and BioTechnology, November 2016, Volume 4, Issue 6, ISSN: 2321-5674 (Print), 2320-3471 (Online).

- b. Published an article on ‘Impact of Artificial Intelligence on Society’, in International Journal for Modern Trends in Science and Technology, June 2018, Volume 4, Issue 3, ISSN: 2455-3778.

## 2. Conference Proceedings

Proceedings of a three day National workshop on "Physics and Technology: Modern Sensors Characteristics, Interfacing & Programming" from 7th to 9th November, 2019 on the topic "Mobile Phone Sensing: Current Trends and Challenges with ISBN 978-81-942990-6-6, sponsored by Andhra Pradesh Pollution Control Board, organized by the department of Physics, Maris Stella College, Vijayawada.

## Paper Presentations:

1. Presented a paper in UGC & CSIR sponsored National youth forum on 'Green Energy Solution's meeting global concerns on the topic 'Infinite energy from ocean', organized by Dept. of Physics on 19th and 20th November 2009 at Maris Stella college.
2. Presented a paper in UGC sponsored National seminar on 'Nano materials and their applications' on the topic 'Gold Nanoparticles to cure cancer', organized by Dept. of Physics, DAR college, Nuzvid on 10th and 11th November 2009.
3. Presented a paper in the UGC sponsored National conference on 'Need and role of Nanosciences' in the present era, organized by Dept. of Physics, P.B.Siddhartha College on 7th & 8th October 2015.
4. Presented a paper on 'Toxicity and Environmental risks of Nanomaterials: Challenges and future Needs in DBT sponsored National seminar on 'Advances in the synthesis of Nanomaterials', organized by Dept. of Chemistry, Andhra Loyola college, on 14th & 15th September 2016.
5. Presented a paper in the DBT sponsored National seminar on 'Emerging trends in environment and sustainable development, in the topic 'The role of IT in mitigation and preparedness of disasters' organized by Dept. of Botany, ANDhra Loyola college on 2nd & 3rd September 2016.

**Research Projects:** Nil

**Books Published/Chapters in Books:** Nil

**Research Guideship:** NIL

### **Workshops/Seminars/Webinars/Conferences Attended:**

1. Attended a UGC sponsored National seminar on 'New Frontiers in Scientific Research'. organized by Dept. of Physics, Andhra Loyola college February 27th, 2012.
2. Attended a UGC sponsored National seminar on 'Applications, advances and challenges in Space research', organized by Dept. of Physics, P.B.Siddhartha college on 19th & 20th September 2014.
3. Attended a UGC sponsored National Seminar on 'Broadening the horizons of environmental protection' in a 2-day UGC sponsored national seminar at P.B.Siddhartha College of Arts & Science, Vijayawada, on 19<sup>th</sup> & 20<sup>th</sup> August 2015.
4. Attended a National Seminar on 'Advances in Chemical Sciences' UGC sponsored national seminar, organized by Dept. of Chemistry at K.B.N. College, Vijayawada, on 18<sup>th</sup> & 19<sup>th</sup> September 2015.
5. Attended a National Seminar on 'Need and role of Nano Sciences in the present era' UGC sponsored national seminar at P.B.Siddhartha College of Arts & Science, Vijayawada, on 7<sup>th</sup> & 8<sup>th</sup> October 2015.
6. Attended a National seminar on 'Advances in Material science' organized by Dept. of Electronics, ANU during 25th & 26th November 2015.
7. Attended the 2nd AP Science Congress 2016 on 'Science & Technology for Health', at P.B.Siddhartha College during 7th to 9th November 2016.
8. Attended a National workshop on 'Role of human values in higher education for personal & professional excellence', organized by IQAC, Maris Stella college on 1st February 2017.
9. Attended UGC sponsored National workshop on "MOOCS and its impact on enhancing the quality of Education", organised by IQAC, Maris Stella College, Vijayawada on 30th & 31st December 2017.
10. Attended a National Seminar on 'Impact of Artificial Intelligence on Society' in a 2-day UGC sponsored national seminar on IOT, organized by Dept. of Electronics, on 7<sup>th</sup> & 8<sup>th</sup> February 2018, at Maris Stella College, Vijayawada.
11. Attended National seminar in association with IAPT on 'Optical characterization techniques' organized by Dept. of Physics at Andhra Loyola college on 28th March 2019.
12. Attended a Workshop on 'Principles and Practices in Teaching / Learning excellence' at Maris Stella College, Vijayawada, on 4th October 2019.

13. Attended a workshop on Physics and Technology: Modern Sensors Characteristics, Interfacing and Programming National Workshop at Maris Stella College 7<sup>th</sup>, 8<sup>th</sup> & 9<sup>th</sup> oct 2019.
14. Attended a Workshop “Constructive alignment and Outcome Based Education” at Maris Stella College, Vijayawada 21st to 23rd, October, 2019.
15. Attended a Workshop “Intellectual Property Rights” at Maris Stella College, Vijayawada, on 16th November, 2019.

**FDPs/Training Programs Attended:**

1. Attended a training programme on “Effective classroom Tools for Education” organised by IQAC, Maris Stella College, Vijayawada on 15 th & 16th October 2018.
2. Attended a FDP on “Teacher as a facilitator of Learning” and “Programme Outcomes, PSOs and Cos” at Maris Stella College, Vijayawada on 5th & 6<sup>th</sup> June 2019.
3. Attended a FDP on “Designing Effective Assessment Practices and Digital Technology” at Maris Stella College, Vijayawada on 2nd & 3rd December, 2019.

**Membership in Professional Bodies: NIL**

**Recognition/Awards:**

- Received appreciation award from management for effective documentation of students participation in external competitions.