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

**Profile of every member in the Department**

**Name:** Dr. Jayapradha Alice Cheekurthy

**Educational Qualification:** M.Sc. (Biochemistry), M.Phil. (Biochemistry), Ph.D. (Biochemistry), APSET (Life Sciences)

Designation: Assistant Professor

Years of experience: 7 years 9 months

Maris Stella College: 5 months

Other Institutions:

**Academic**

3years-- (Asst. Professor & HoD Biochemistry in Osmania University affiliated College

2 years online Tutor (Life Sciences) Certified Digital Teacher(ICT academy)

**Research**

CSIO-CSIO (Worked on Immobilization studies of DNA actin of actin and myosin filaments, carbon nanotubes, and modified DNA between microelectrodes and tested the immobilized DNA for conductivity. ) --1.4 years

IMTECH-CSIR

optimization of conditions and Control of bioreactors for fermentation of Native and Recombinant Streptokinase using neural networks under simulated industrial conditions --1yea r

Bio-Axis DNA Research Centre(P) Ltd, Hyderabad, India

Worked on DNA Isolation, purification, Primer Designing, Optimization of conditions for maximum amplification of DNA, DNA Sequence Analysis using different Bioinformatics Tools and database **--**

G Suite Email Id: alicejayaprada@marisstella,ac.in

Email Id: dralicejaya@gmail.com

Contact No: 9581771118. 7661904056

Languages Known: English, Hindi, Punjabi, Telugu

Areas of Interest: Research and Teaching

Academic Contribution:

Experience in Handling Subjects- Biomolecules, Molecular Biology and Gene Regulation, Recombinant DNA Technology and Genetic Engineering, Immunology and Immunochemical Techniques, Bioanalytical Techniques, Biotechnology, Bioenergetics, Cell Biology, Biochemical Genetics, and Model Organisms and Therapeutic Nutrition. (For M.Sc. Biochemistry and B.Sc, Biochemistry, Microbiology &Food Science Technology)

Academic Profile:

Refresher Courses/Orientation Courses/Short Term Courses Attended:

1. Certificate Course on Digital Teaching Techniques” from ICT Academy!
2. Nanotechnology: A Maker’s Course Completed
3. Biology Meets Programming: Bioinformatics for Beginners Enrolled
4. Industrial Biotechnology Enrolled
5. Science Matters: Let's Talk About COVID-19 Enrolled
6. Patenting in Biotechnology Enrolled

Research Publications:

1. Journals 13 Publications

Helix

Journal of Bioanalysis and Biomedicine (2)

Journals of Diabetes and Metabolism

Biomedical Research and Clinical Practice

Journal of Diabetes Research and Therapy

EC Endocrinology and Metabolic Research

Endocrinology & Diabetes Research

Journal of Nursing and Health Sciences

International Journal of Diabetes and Metabolic Disorders

EC Nursing and Healthcare

EC Diabetes and Metabolic Research

Journal of Endocrinology Research

1. Conference Proceedings 1(One)

Paper Presentations: Presented 3 papers and 1poster in International Conference and papers published

Research Projects:

* From Steatosis to Cirrhosis – A genetic and Non-genetic predisposition

study in states of Andhra Pradesh and Telangana in India.

Submitted to: ICMR

* Studies on Genetic and non-genetic determinants as risk factors for sudden cardiac death and Hypertension in the subjects with Type 2 Diabetes Mellitus

Submitted to: Department of Science and Technology

WOMEN SCIENTISTS SCHEME (WOS-A)

Books Published/Chapters in Books:

Chapter in Book- Predisposition factors of T II Diabetes Mellitus and related Complications2015, pp 43. Biotechnology and Bio forensics - New Trends Published by Springer Brief in Applied Sciences and Technology

Research Guideship: None

Workshops/Seminars/Webinars/Conferences Attended:

**Conferences Attended**

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| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Conference** | **Level** | **Organized by** | **Topic Presented** | **Location** | **Duration** |
| 1. | Impact of COVID -19 on LifeStyle Disorders | National | Maris Stella College | Organizer | Vijayawada | 2-Days |
| 2. | Nano-Bio 3 | International | University of Hyderabad |  | Hyderabad | 1-Days |
| 3 | 3rd international conference and Exhibition on Biowaivers Biologics and Biosimilars | International | OMICS group | A recombinant version of streptokinase: An overview  Poster Presented and Paper published | Hyderabad | 3-Days |
| 4 | Genomics in Health and Diseases | International | CIENCIA | Gene as a risk factor for Type 2 Diabetes and Related Complications  Paper published | Hyderabad | 2-Days |
| 5 | 5th International Conference on Emerging Trends in Applied Biology, Biomedicine and Bio Forensics | International | Bio Axis DNA Research Centre - DBT – AMC - AFSL | predisposition of Type II Diabetes and Related Disorders  Paper published | Hyderabad | 2-Days |
| 6. | International Conference on Emerging Trends in Biomarker Research | International | Jawaharlal Nehru Institute of Advanced Sciences | Biomarkers for Type 2 Diabetes Mellitus  Papers Published | Hyderabad | 2-Days |

**Workshops Attended:**

1. Workshop on Proteomics and Genomics, Institute of Microbial Technology, Chandigarh.
2. Workshop on Biostatistics, Research Methodology, and Manuscript preparation, Hyderabad
3. Workshop on Biostatistics, Primax Academy, Bangalore

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**Seminars Attended**

Seminar on Gene, Genome and Gene Therapy, Dr. Inder Verma of Salk Institute at Punjab University

FDPs/Training Programs Attended:

Expert Panel Discussion on, Management of Diabetes in Times of COVID-19 COVID

1. Training in Advanced Molecular Biology and Tissue Culture Techniques, G.M. Reddy Research Foundation.
2. Training on Immobilization techniques at Central Scientific Instruments Organization (CSIR Lab), Chandigarh, India
3. Training in Advanced Microbiology, Biochemistry, Molecular Biology Biotechnology and Bioinformatics techniques at Bio Axis DNA Research Centre (P) Ltd, Hyderabad, India.

Webinars Attended

1. Analytical Limitations of HbA1c: Factors to consider when choosing an HbA1c Methodology
2. The HbA1C test and its role in My Endocrinology Practice
3. Creating Climate-friendly and Sustainable Campuses  
   Diabetes and the Clinical Laboratory
4. Certificate on Importance & benefits of Trademarks and Copyrights for MSMEs, Startups, and Institutions

Membership in Professional Bodies:

Certified Reviewer and Editorial Board member for International and National Journals of Repute.

Recognition/Awards:

Invited as speaker for

1. “2 nd Annual Summit on Diabetes and Endocrinology” during October 18-19, 2021 at Paris, France.
2. “The International Congress and Expo on Cardiology (Cardiology-2017)” held during September 11-13, 2017 in Miami, USA.

Certified Reviewer and Editorial Board member for national and International Journals of repute.