

Maris Stella College (Autonomous), Vijayawada

Department of Physics

Profile of every member in the Department

Name: DR.V.SHARON SAMYUKTHA

Educational Qualification: M.Sc., Ph.D

Designation: Lecturer

Years of experience: 13

Maris Stella College: 1

Other Institutions: 12

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Contact No: 9010034258

Languages Known: Telugu, English & Hindi

Areas of Interest: Ceramics

Academic Contribution: BoS Member, Designing of Course Syllabus

Academic Profile: Inspire Club Coordinator, Member of Green Audit Club,
Eco Ambassador.

Refresher Courses/Orientation Courses/Short Term Courses Attended:

- Completed NPTEL Course in Solid State Physics.

Research Publications: 06

- a) Journals :04
- b) A paper entitled “Structural and Dielectric Properties of $Mg_{(1-x)}Ca_xTiO_3$ ($x=0.7, 0.8$) Ceramic Materials” in Mechanics, Materials Science & Engineering March 2017 – ISSN 2412-5954.
- c) A paper entitled “Synthesis, Characterization, Dielectric and Thermoelectric properties of Calcium Doped Magnesium Titanate $Mg_{(1-x)}Ca_xTiO_3$ ($x=0.1, 0.3$ & 0.5) Ceramics” in Journal of Ovonic Research Vol.13, No.1 January – February 2017, P.33-43.
- d) A paper entitled “Structural and Electrical Properties of PbO doped $SrTiO_3$ Ceramics” in Journal of Ovonic Research, Vol. 11, No. 2, March – April, 2015, pp. 79 – 84.

- e) A paper entitled “Synthesis and Dielectric Properties of MgTiO₃ Ceramic Material” in International Journal of Engineering Research & Technology (IJERT), Vol. 5 Issue 05, May-2016, pp. 245 – 249.
- f) Conference Proceedings : 02
1. A paper entitled “Synthesis, structural and dielectric properties of Magnesium calcium titanate (1-x)MgTiO₃-xCaTiO₃ (x=0, 0.1, 0.2 and 0.3), Materials Today: Proceedings (Elsevier) 3 (2016) 1768–1771.
 2. Dr.V.Sharon Samyuktha published a paper on ‘A Review on Potential Applications of MEMS Devices in Various Fields’ in the proceedings of a three day National workshop on "Physics and Technology: Modern Sensors Characteristics, Interfacing & Programming” from 7th to 9th November, 2019 with ISBN No: 978-81-942990-6-6, sponsored by Andhra Pradesh Pollution Control Board, organized by the department of Physics, Maris Stella College, Vijayawada.

Paper Presentations: 06

1. **V.Sharon Samyuktha**, T.Subba Rao, R.Padma Suvarna presented a paper entitled “Synthesis and dielectric properties of pure and calcium doped magnesium titanate ceramic materials”, **International Conference on Materials and Characterization Techniques (ICMCT-2014)**, held at Vellore Institute of Technology, Vellore, Tamilnadu, March 10-12, 2014. (Poster Presentation)
2. **V.Sharon Samyuktha**, D.Jhansi Rani, A.Guru Sampath Kumar, T.Sofi Sarmash, P.Mohan Babu, T.Subba Rao, R.Padma Suvarna, presented a paper entitled “Synthesis and Dielectric Properties of Mg_{0.7}Ca_{0.3}TiO₃ Ceramic Material”, National Conference on **Recent Trends in Material Science (RTMS- 2015)**, held at S.V. Degree College, Kadapa, Andhra Pradesh, March 1-2, 2015. (Poster presentation)
3. **V.Sharon Samyuktha**, T.Subba Rao, R.Padma Suvarna, A.Guru Sampath Kumar, presented a paper entitled“ Synthesis, Structural and Dielectric Properties of Calcium Doped Magnesium Titanate”, **International Conference on Recent Advances in Nano Science and Technology (RAINSAT-2015)**, held at Sathyabama university, Chennai, TamilNadu, July-8-10, 2015. (Oral Presentation)
4. **V.Sharon Samyuktha**, A.Guru Sampath Kumar, T.Subba Rao, R.Padma Suvarna, “Synthesis and Dielectric Properties of Mg_{0.9}Ca_{0.1}TiO₃ Ceramics”, **National**

Conference on Material Science (NCMS-2015), held at Sri Krishnadevaraya University, Anantapuramu, Andhra Pradesh, November-13-14, 2015. (Oral Presentation)

5. **V.Sharon Samyuktha**, T.Subba Rao, R.Padma Suvarna, “Structural and Dielectric Properties of $Mg_{(1-x)}Ca_xTiO_3$ ($x=0.7&0.8$) Ceramic Materials”, **International Conference on Materials Processing and Applications (ICMPA-2016)**, held at VIT University, Vellore, Tamil Nadu, December-14-16, 2016. (Poster Presentation)
6. Presented a paper entitled “Synthesis, Characterization and Dielectric Studies of Magnesium Calcium Titanate $Mg_{(1-x)}Ca_xTiO_3$ ($x=0, 0.9$) Ceramics” **Dr.V.Sharon Samyuktha** in National Conference ‘**Advanced Functional Materials**’, sponsored by **TEQIP-III (NPIU-MHRD, Govt. of India)** and organized by JNTUA College of Engineering (A) Ananthapuramu, A.P. in association with University College of Engineering & Technology, Bikaner Technical University, Bikaner (Raj.) on 17th-18th December 2020.

Research Projects: NIL

Books Published/Chapters in Books: NIL

Research Guideship: NIL

Workshops/Seminars/Webinars/Conferences Attended: 31

1. Short term training programme on ‘Synthesis Characterization and its applications of Nano materials’ from 24th to 29th August, 2020 organised by JNTU, Centre for Nanoscience and Technology, Hyderabad.
2. National Webinar on ‘Digital Parenting’ on 1st June 2020 organised by VSR & NVR Engineering college, Tenali.
3. Workshop on ‘Office automation tool’ on 21st to 23rd July 2020 organised by Department of Computer Science and IQAC Maris Stella College Vijayawada.
4. International Webinar on ‘Frontiers of Experimental Physics’ on 5th & 6th August, 2020 organised by Farook college, Kozhikode, Kerala.
5. Workshop on ‘Digital Assessment’ through Examineer Software from 17 - 21 August, 2020, organised by IQAC, Maris Stella College, Vijayawada
6. National webinar on ‘Frontiers in basic Physics and applications’ on 21st to 22nd, August, 2020 organized by the Department of Physics in collaboration with IQAC, Barnagar College, Sorbhog, Barpeta.

7. Short term training programme on 'Synthesis Characterization and its applications of Nano materials' from 24th to 29th August, 2020 organised by JNTU, Centre for Nanoscience and Technology, Hyderabad.
8. International workshop on 'Research methodology in Science' from 5th to 10th October, 2020, organised by ARETEX Scientific International. Hyderabad.
9. International Webinar on 'Impact of Physics in Health Care 'from 14th - 16th October, 2020 organised by Department of Physics, Maris Stella College, Vijayawada in collaboration with 'Emtron Technologies', Mumbai.
10. Workshop on 'Formal Written Communication' from 19 - 23rd October, 2020 organised by IQAC, Maris Stella College in collaboration with Christ (Deemed to be University), Bengaluru.
11. Webinar on 'Bridging Electromagnetic Spectrum for Technological Applications - A Materials Perspective', on 21st July 2020 organised by Andhra Loyola College, Vijayawada.
12. Seminar on 'Principles and Practices in Teaching / Learning excellence' on 4 th Oct, 2019, organised by IQAC, Maris Stella College.
13. Workshop on "Intellectual Property Rights", on 16th Nov 2019, organised by IQAC, Maris Stella College.
14. Workshop on "Mentoring", 7th to 9th January 2020, organised by IQAC, Maris Stella College.
15. National Conference on "Intellectual Property Rights: Issues and Challenges" on 28th & 29th February 2020 organised by IQAC, Maris Stella College with the support of UGC Autonomy Grant.
16. Workshop on "Video Content Creation", 15, 16 & 17 April 2020, organised by IQAC of Marian College Kuttikkanam (Autonomous).
17. Online Workshop on "Basic Introduction to Moodle", 05.05.2020, IQAC of Marian College Kuttikkanam (Autonomous).
18. National Commerce Webinar on ""Impact on Covid-19 on Indian Economy", on 16th May 2020, by Sir C.R.Reddy College, Eluru.
19. National Webinar on "Impact of COVID-19 on Indian Economy: Survival strategies for Banking, Education, Pharma and Retail Sectors", on 19th May 2020 by SRR and CVR Govt. Degree College.

20. National Webinar on “Consequences COVID-19 on Indian Economy in Banking and Retail Sectors - Invigorating Policies for Rejuvenation”, IQAC of SKR & SKR Govt. College for Women (Autonomous)
21. National Webinar on “Covid -19 Evolution and Pathogenicity”, on 29th May 2020, IQAC of Maris Stella College.
22. Workshop on Moodle, “eLearning Professional Development Programme”, 22nd to 31st May 2020, KBR & HL Human Development Foundation.
23. Attended One Day National Workshop on “**Advanced Materials Characterization Techniques**”, held at Sri Venkateswara University, Tirupati, Andhra Pradesh, 23rd March, 2013.
24. Attended **International Conference on Nano Science & Engineering Applications (ICONSEA-2014)**, held at Jawaharlal Nehru Technological University, Hyderabad, Telangana, June 26-28, 2014.
25. Attended One Day National Seminar on **New Trends on Advanced Materials (NTAM)**, held at **Govt.** College for Men (A), Kadapa, Andhra Pradesh, February 2, 2015.
26. Participated in **Science Academies’ Refresher Course in “63rd Refresher Course in Experimental Physics**”, held at Sri Krishnadevaraya University, Anantapuramu, Andhra Pradesh, October 7-22, 2014.
27. Attended Two day National Workshop on “**NMR Spectroscopy: Application to Biomolecules**” (**NMRSAB-2015**), held at Jawaharlal Nehru Technological University Anantapur, Anantapuramu, Andhra Pradesh, January 9-10, 2015.
28. Attended National Seminar on **Recent Advances in Functional Materials (RAFM-2015)**, held at Yogi Vemana University, Vemanapuram, Kadapa, Andhra Pradesh, March-15, 2015.
29. Participated in “**Hands-On Training on X-Ray Diffraction**”, held at Sathyabama University, Chennai, TamilNadu, March 27-28, 2015.
30. Attended One Day National Workshop on “**Smart Materials- Applications & Characterizations**” held at Vellore Institute of Technology, Vellore, TamilNadu, 27th April 2016.
31. Attended the “**Research Methodology**” course work in Physics discipline from 27th May 2013-1st June 2013 at JNT University, Anantapur, Andhra Pradesh, India.

FDPs/Training Programs Attended: 03

1. FDP on ‘New Knowledge in Physics and Energy materials: Advanced research techniques’ from 6th to 10th July, 2020 organised by APCCE-US.
2. FDP on “Teacher as a facilitator of Learning” and “Programme Outcomes, PSOs and COs” by Dr.Mercy Pushpalatha and Mrs.Jeya Abraham on 5th & 6th June 2019 organised by IQAC Maris Stella College.
3. FDP on “Capacity Building cum Faculty development” by Dr.SandhyaTiwari on 29th& 30th July, 2019 organised by IQAC Maris Stella College.

Membership in Professional Bodies: NIL

Recognition/Awards: NIL