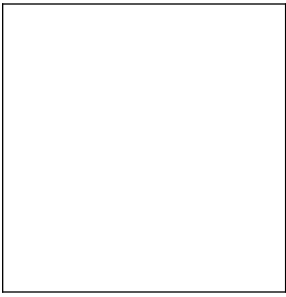


Sri Sai Ram Engineering College
Department Of Humanities And Sciences

| | |
|--|--|
| Name : Dr. E. Brindha |  |
| Designation : | Associate Professor |
| Qualification : | M.Sc., Ph.D. |
| Area of Specialisation : | Laser Spectroscopy, Bio-Photonics |
| Experience : 3 year 07 months | Teaching : UG : 03 year 07 months PG : 1 year 10 months |
| | Industry : NIL |
| No. of Workshop / Conferences / FDP attended | 15 |
| Publication : | Journal National : 02 International : 07 |
| | Conference National : 01 International : 01 |
| Research Guidance : | Nil |
| General : | |

| | |
|--------------------|---|
| Staff Achievements | <p>❖ Session Chair - International Conference on Modern Functional Materials – ICMFM 2021.</p> <p>❖ Reviewer: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</p> |
|--------------------|---|

Educational Qualification:

| Category | Name of the Degree | Specialization | Year of Passing | Name of the College | Name of the University | % of Marks / Grades obtained | Class obtained |
|----------|--------------------|----------------|-----------------|------------------------------------|------------------------|------------------------------|----------------|
| UG | B.Sc., | Physics | 2008 | QMGC, Chennai | Madras University | 78% | 1st |
| PG | M.Sc., | Physics | 2010 | Ethiraj College for Women, Chennai | Madras University | 79% | 1st |
| Ph.D. | Doctoral | Physics | 2013 | Anna University, Chennai | Anna University | -- | |

Academic Experience: (as on 30.09.2022)

| Name of the College | Designation | Joining Date | Relieving Date | Experience | | |
|--------------------------------|---------------------|--------------|----------------|------------|----------|-----------|
| | | | | Years | Months | Days |
| Sri Sairam Engineering College | Associate Professor | 06.08.2020 | Till Date | 1 | 9 | 27 |
| Dire Dawa University, Ethiopia | Assistant Professor | 09.04.2018 | 28.02.2020 | 1 | 10 | 19 |
| Total | | | | 3 | 8 | 16 |

PUBLICATIONS

JOURNAL: 7

1. **Brindha Elumalai**, Prakasa Rao Aruna, Bharanidharan Ganesan, Dornadula Koteeswaran & Singaravelu Ganesan 2015, ‘**Raman spectroscopic characterization of urine of normal and oral cancer subjects**’, Journal of Raman Spectroscopy, vol. 46, no.1,pp. 84–93.
2. **Elumalai Brindha**, Ramu Rajasekaran, Prakasarao Aruna, Dornadula Koteeswaran and Singaravelu Ganesan, “**Highwavenumber Raman Spectroscopy in the characterization of urinary metabolites of Normal subjects, Oral Premalignant and Malignant Patients**” Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2016- doi:10.1016/j.saa.2016.06.04.
3. Pachaiappan Rekha, Prakasarao Aruna, **Elumalai Brindha**, Dornadula Koteeswaran, Munusamy Baludavid & Singaravelu Ganesan 2016, ‘**Near-infrared Raman spectroscopic characterization of salivary metabolites in the discrimination of normal from oral premalignant and malignant conditions**’, Journal of Raman Spectroscopy, DOI:10.1002/jrs.4897.
4. **Brindha Elumalai**, Ramu Rajasekaran, Prakasarao Aruna, Dornadula Koteeswaran & Singaravelu Ganesan 2015, ‘**Discrimination of Premalignant conditions of oral cancer using Raman Spectroscopy of urinary metabolites,**’ Proceedings of SPIE, vol. 9318, pp. 93180J1-7.
5. Ramu Rajasekaran, **Brindha Elumalai**, Prakasarao Aruna, Dornadula Koteeswaran, Singaravelu Ganesan, “**Fluorescence anisotropy characterization of urine in the diagnosis of cancer**”, SPIE Proc. 2016, Vol. 97031P, DOI: 10.1117/12.2212618
6. Ramu Rajasekaran, **Brindha Elumalai**, Prakasarao Aruna, Dornadula Koteeswaran, Singaravelu Ganesan, “**The effect of Stokes Shift in the discrimination of cervical cancer from normal subjects**”, SPIE Proc. Vol. 97031Q, DOI: 10.1117/12.221261.
7. **Brindha Elumalai**, Ramu Rajasekaran, Prakasarao Aruna, Dornadula Koteeswaran, Singaravelu Ganesan, “**Raman spectroscopy of Bio Fluids : An exploratory study for oral cancer detection**”, SPIE Proc. 2016, Vol. 97031T, DOI: 10.1117/12.2212684

SEMINARS/ CONFERENCES:04

1. *Rajasekaran, R, Brindha, E, Aruna, P & Ganesan, S 2014, Fluorescence Emission Spectroscopic Characterization of Urine of Normal Subjects and Breast Cancer*

Patients,' OSA Photonics 2014: 12th International Conference on Fiber Optics and Photonics, OSA Optical Infobase, DOI:10.1364/PHOTONICS.2014.S5A.7

2. **E. Brindha, R. Rajasekaran, L. Pereira, P. Aruna, D. Koteeswaran, A. A. Martin, S. Ganesan, "Raman Spectroscopy of Human Urine in the Diagnosis of Cervical Cancer", EnBraER, Brazil, 6-9, Dec., 2015**
3. **E. Brindha, R. Rajasekaran, P. Aruna, D. Koteeswaran, M. Balu David, G. Bharanidharan, and S. Ganesan, "Characterization of Urine of Normal Subjects and Oral Cancer Patients by Raman Spectroscopy" Proc. of 22nd National Laser Symposium, NLS 22, JAN 8-11, 2014.**
4. **Brindha Elumalai, Ramu Rajasekaran, Ranjini, Prakash Rao Aruna, Singaravelu Ganesan, "Raman Spectroscopic characterization of Normal and Cancerous Oral tissue – Proc. of the "National Conference On Recent Advances In Photonics" (NCRAP 2013) Tamilnadu, India.**
5. **Brindha Elumalai, Ramu Rajasekaran, R. Premanand, N. Srinivasan, "Raman Spectroscopy: A Novel approach for cervical cancer diagnosis" paper presentation in International Virtual Conference on Materials Research(15-16th September 2022) organized by Department of Physics, Easwari Engineering College, Chennai.**

FDP/ ONLINE COURSES/WORKSHOP/WEBINAR/NITTTR COURSE:-

1. 18th State Annual Conference on Association of Medical Physicists of India (TN & PY Chapter) – (AMPI TN & PY CON 2013) held on 18th -19th October 2013, Organized by Dept. of Medical Physics, Anna University, Chennai 25, Tamilnadu, India.
2. Indo-Italian Workshop on Molecular Nanophotonics held on 24th – 26th July, 2013, Dept. of Physics, Anna University, Chennai, India.
3. International Workshop on Biomedical Sciences and Technologies (IWBMS-2011) held on 2nd - 4 th March 2011, Anna University, Chennai 25, Tamilnadu, India.
4. Recent Trends in Medical Physics, sponsored by Board of Research in Nuclear Sciences – DAE, held on 25th – 26th March 2010, Dept. of Physics, Anna University, Chennai 25, Tamilnadu, India.
5. Successfully completed the ATAL online FDP on "Photonics" organized by Central University of Jharkhand from 18-01-2021 to 22-01-2021.

6. ATAL online FDP on “Photonics” organized by KKR and KSR Institute of Technology of sciences from 08-02-2021 to 12-02-2021.
7. ATAL online FDP on “Energy Storage” organized by KPR Institute of Engineering and Technology from 22-02-2021 to 26-02-2021.
8. Research on Sustainable Development, by Dr. C.R. Rene Robin on 8.02.2021
9. Awareness program on Microsoft Certification Courses" on 10.2.2021.
10. Successfully completed 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 12 July, 2021 to 16 July, 2021.
11. Chaired Technical Session in the International Conference on Modern Functional Materials (ICMFM2021) held on 24th – 25th June 2021.
12. Successfully Completed “Two-day Awareness Workshop on Improving Research & Performance outcomes” from 31-08-2021 to 01-09-2021 organized by Elsevier.
13. ATAL online FDP on “Fundamental of Artificial Intelligence" from 13/09/2021 to 17/09/2021 at College of Technology and Engineering, udaipur.
14. ATAL online FDP on “Photonics & LASER" from 20/09/2021 to 24/09/2021 at M E S COLLEGE OF ENGINEERING, KUTTIPPURAM.
15. ATAL online FDP on ARTIFICIAL INTELLIGENCE IN CONTEMPORARY BIOMEDICAL & HEALTHCARE APPLICATIONS: FUNDAMENTALS & HANDS ON MATLAB " from 21/02/2022 to 25/02/2022 at Gautam Buddha University, Greater Noida, U.P.
16. Successfully Completed NITTTR Course on “Professional Ethics and Sustainability” with 79.4%.
17. Completed NITTTR Course on “Technology Enabled Learning & Life Long Self Learning” with 90.2%.
18. Completed NITTTR Course on “Technology Enabled Learning & Life Long Self Learning” with 90.2%.
19. Completed NITTTR Course on “Institutional Management & Administrative Procedures” with 71.3%.