

Conference & Seminars:

- First international conference in Genitourinary oncopathology hosted by Society of Genitourinary pathologist, November 2019
- IMMIX 2019-An integrated Approach to breast Disease, held at SRIHER on 11th October 2019
- Basics and Molecular Diagnostics in Mycology 2019, SRMC & RI, Chennai
- 1st cancer conference on Real world evidence August 2019, Chennai
- 3rd National PG Rapid review and updates in Oral Medicine & Radiology 2019 – Faculty of Dental Sciences, SRIHER, Chennai
- 7th National Rapid Review Programme 2019, Oral Pathology, SRMC & RI, Chennai
- CME on Molecular Oncology 2019 – SRIHER, Chennai
- Pediatric oral pathology 2018, Saveetha Dental College, Chennai
- SYMMEDCON 2018, SRMC & RI, Chennai
- 6th National Rapid Review Programme, Oral Pathology, SRMC & RI, Chennai
- CME in transfusion medicine, SRMC & RI, Chennai
- 7th International conference on Translational Cancer Research, IIT Madras, Chennai
- 67th Annual Conference of Indian Association of Pathologists and Microbiologists -2018
- Collage 2018, Govt Stanley Medical College, Chennai
- 4th International Conference on Cytopathology and Histopathology 2018– Boston, USA
- Endometrial Pathology 2018, Saveetha Dental College, Chennai
- CME in Transfusion Medicine 2018, SRMC & RI, Chennai
- Pediatric Soft tissue tumours of the Head & Neck, 2018 – Saveetha Medical College, Chennai
- FORSEE – 2018, Sri Ramachandra Medical College & RI, Chennai
- X Interactive Slide Seminar 2018– Faculty of Dental Sciences – SRI HER, Chennai
- Update on Pathology Male Genito Urinary Tract, 2018, Amrita Institute of Medical Sciences, Kochi
- CME of Kaleidoscope of Pathology 2018, Chengalpattu Medical College
- Basics and Molecular Diagnostics in Mycology 2018, SRMC & RI, Chennai
- 45th Annual Conference of KCIAPM 2018- Bangalore, Karnataka
- Sensitization program for ATCOM 2017, MEU, SRMC & RI, Chennai
- Standard opening procedures of IEC, 2017, Institutional Ethics Committee, SRMC & RI, Chennai
- Ethics in clinical research 2017, Institutional Ethics Committee, SRMC & RI, Chennai
- Personalized Medicine 2017, IIT, Chennai
- CME on Gynaec oncopathology 2017, Institute of Obstetrics and Gynecology, Chennai
- CME series in Pathology - Breast Pathology 2017, Medall Chennai

- CME on clinical significance of recent WHO classification of Glioma 2017 Apollo speciality hospitals, Chennai
- CME of Kaleidoscope of Pathology 2017 ,Chengalpattu Medical College
- CME on Bone Pathology- Karpaga Vinayaga Institute of Medical Sciences & Research Centre,Kanchipuram
- IMMIX 2 –Integrated Approach to breast Disease – SRMC & RI,Chennai
- Collage 2017 ,Govt Stanley Medical College ,Chennai
- SCOPE 2017 ,Dental College,SRU,Chennai
- Updates in Uro Pathology ,CMC vellore
- INDO- US Fulbright program 2017 ,SRMC & RI,Chennai
- 10th Annual Mycology workshop 2017, SRMC & RI,Chennai
- IX interactive slide seminar 2017 Dental sciences ,SRU,Chennai
- 66th Annual Conference of Indian Association of Pathologists and Microbiologists -2017
- Indo UK Oncology Summit – 2017 ,IBHI,Chennai
- INDO- US Fulbright program 2016 ,SRMC & RI,Chennai
- VIII Interactive slide Seminar ,Faculty of Dental Sciences ,SRU,Chennai
- 65th Annual Conference of Indian Association of Pathologists and Microbiologists -2016
- Pathology Know How 2016 & 2015 – Saveetha Medical College,Chennai
- SCOPE 2016 - Faculty of Dental Sciences ,SRU,Chennai
- CME on Molecular Diagnosis in Clinical Practice – the background Basics 2015- Saveetha Medical College ,Chennai
- SCOPE 2015 - Faculty of Dental Sciences ,SRU,Chennai
- CME on Current Concepts of Molecular diagnosis 2014–MMC,Chennai
- Ethics And Responsible Conduct Of Research,CITI India, SRMC, Chennai
- 3rd International Meeting Of Clinical Practice Guidelines In Oncology,SRMC & Chennai

AT INHOUSE FACULTIES

- National Conference on Recent Updates and Multidisciplinary Approach to Respiratory, Head & Neck and Neuropathology August 2019
- CME on Liquid Based Cytology june 2019
- Vacuum Assisted Breast Biopsy February 2019
- CME on Idiopathic Thrombocytopenic Purpura – March 2019
- SPARRC (Sri Ramachandra Pathology Annual Rapid Review Course) January 2019
- CME on Cardiac Pathology – December 2018
- New Horizons In Gastrointestinal Pathology June 2018
- CME on STAT 3 Ovarian Cancer – Guest lecture June 2018
- International conference on Update in Diagnostic Pathology, Morphology, Immunohistochemistry and Ancillary techniques.August 2018
- CME on Detection of therapeutically targetable EGFR T790M resistance mutation in lung cancer April 2018
- Cme On “Pancreatic Neuroendocrine Tumours – January 2018
- Cme On Paediatric Non Neoplastic Liver Lesions January 2018

- SPARRC (Sri Ramachandra Pathology Annual Rapid Review Course) January 2018
- CME on Chronic Kidney Disease November 2017
- 6th Endowment Oration – Department of Pathology October 2017
- International Conference on Update in Diagnostic Pathology: Morphology, Immunohistochemistry and Ancillary Techniques January 2017
- SPARRC (Sri Ramachandra Pathology Annual Rapid Review Course) January 2017
- CME in Perinatal & Paediatric Pathology- 2016- August 8th
- SPARRC (Sri Ramachandra Pathology Annual Rapid Review Course) January 2016
- SPARRC (Sri Ramachandra Pathology Annual Rapid Review Course) January 2015
- CME - PATHCON 2014 "International Update in Pathology" on 7th October 2014.
- CME - "Update on Breast Pathology" on 30th April 2014
- SPARRC (Sri Ramachandra Pathology Annual Rapid Review Course) January 2014

- **Workshop & Training**

- Curriculum Implementation Support Programme ,MEU ,SRI HER,Chennai
- Curriculum Implementation Support Programme,MMC,Chennai
- Observership training on GU pathology , 13th August to 12th September 2018 UPMC Pittsburgh,USA
- One day workshop on Genitourinary Pathology on interpretation of prostate and bladder biopsies at the national KAPKON conference held at Bangalore on 4th October 2018
- Participated in the “2nd Basic Course in Molecular Diagnostics” conducted by Department of Hematology & Department of Pathology, Christian Medical College, Vellore from 22nd Aug to 2nd Sep 2016.
- Workshop titled “Fluorescence in situ hybridization: basics and application” by Department of Human genetics in collaboration with Metasystems on 21st and 22nd Apr 2016
- Workshop titled “Gender Sensitization Sexual Harassment of Women at Work Place” by Centre for Training and Social research from 25th to 26th Mar 2016
- Participated in Dialogues in Uropathology workshop conducted by Jayaramdas Patel Academic Centre, Gujarat from 28th to 30th Jan 2016
- Workshop on “Grant and Publication writing” by Sri Ramachandra Medical College and Research Institute, Chennai on 14th Sep 2015
- Workshop titled “Basics of Next Generation Sequencing (NGS)” by Molecular Pathology Association of India at Kolkata in 2015
- Workshop titled “Gender Sensitisation” by Sri Ramachandra Medical College and Research Institute, Chennai in 2015
- Special training in “Genito Urinary Tract Lesions and Breast Pathology” conducted by The College of American Pathologists at CAP’ 14, Chicago, IL in 2014
- Workshop in “Medical Education Technologies” by Sri Ramachandra Medical College and Research Institute, Chennai in 2014
- Workshop titled “Team Based Learning & Strategies for Effective Instruction” conducted by Sri Ramachandra Medical College & Research Institute in 2014

AT INHOUSE FACULTIES

- Hemotask 2019- Hemostasis A to Z – Workshop/Hands on Training June 2019
- Hemotask -2018- Workshop/Hands on Training September 2018
- SRU Hemotask- Workshop/Hands on Training- July 2017

- **Membership**

SRU Professional committee member

- Editorial board of the “Bridges”- the SRU newsletter 2008 – till date
- Scientific reviewer in the Sri Ramachandra Medical Journal 2006- till date
- Member of the Institutional Committee for stem cell research & therapy 2013 till date
- Member of pharmacovigilance committee 2012 till date

Professional memberships

- TamilNadu Medical Council- Registration No.52623
- Life membership in the Indian association of Pathology and Microbiology
- Life membership in Indian academy of Cytology
- Life membership in the International academy of Pathologists
- Member of the National Academy of Medical Sciences
- Member of College of Pathologists
- Awarded the International membership to the Prestigious Association of Molecular pathologist (AMP), Baltimore, USA, 2012
- Member of Indian Medical association

- **Associaliship / Fellowship**

Fellowship training in Molecular Genetics

- **Grants/ Patents**

New Rapid Staining Technique- (Patent filed) (TEMP/E-1/10583/2019-CHE : 201941009910 date of 14/03/2019)

- **Email ID**

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sandhyas@sriramachandra.edu.in

- **Projects Funded (Exteranal/Internal)**

Undergraduate projects:

Chancellors summer research project

- Interleukin 6 receptor expression in prostate cancer and its clinical implication 2016
- Co guide for Biomedical student project “DNA extraction from cytological specimen” 2016
- Main guide for student Project titled “ Carbonic anhydrase IX in renal cell carcinoma” which was chosen for presentation at the ISCOM, Groningen, Netherlands 2014

ICMR STS project

- Guide for 2nd year MBBS - CTLA4 in colon carcinoma 2017
- Guide for the final year MBBS “Oral mucosal changes and exfoliative cytology of buccal mucosa on prolonged inhaler use” 2015
- Guide - PIN 4 in prostatic cancer in TURP chips and correlation with progression grade 6 months

Guide for GATE projects with faculty:

- Molecular identification of EMT marker in a spectrum of Pediatric solid tumours and its correlation with clinicopathological profile-
- A Novel Biomarker: Anti –PD L1 expression in microsatellite instability colorectal cancers using immunohistochemistry. –
- IDH mutation in Gliomas & Clinical Implications - Ongoing project
- IHC expression of histone modification pattern in glioblastoma multiforme and its clinical implication- ongoing

Extramural Major Funded Projects

- Principal investigator for the grant titled “Identification of novel molecular markers involved in radio resistance in prostate cancer” sanctioned grant by the Board of Research in Nuclear Sciences, Mumbai. 2014

Postgraduate thesis

- Molecular characterization in the HGF/C-met pathway in prostate cancer and its potential therapeutic significance (ongoing)
- Molecular alterations in PI3K/AKT/MTOR pathway in prostate cancer and its clinical significance (ongoing)
- Molecular alterations in WNT pathway in breast cancer-Co-guide ICMR MD PhD (ongoing)
- Role of MicroRNA in pathobiology of gastric cancer (Ongoing PhD)
- Study of Signaling Pathway Involved in Tumour Microenvironment in Breast Cancer (Ongoing PhD)
- Transrectal Sonographic Tissue Characterisation of Prostate Lesions by Gray Scale Histogram (Ongoing PhD)

- Novel Prognostic markers in Urothelial carcinoma – 2016
- Unraveling the role of PELP1 in carcinoma breast. Co guide -MD PhD project under ICMR -2015
- Role of angiogenetic gene markers in Renal cell carcinomas – 2015
- Molecular identification of cancer stem cells in pediatric solid tumours and its correlation with clinic pathologic profile 2014

Publications :

| <u>S. No</u> | <u>Authors</u> | <u>Title of the paper</u> | <u>Journals</u> | <u>Year</u> | <u>Volume</u> | <u>Page no</u> | <u>Impact factor</u> |
|--------------|--|--|--|-------------|---------------|----------------|----------------------|
| 1 | Akanksha M, Sandhya Sundaram. | Role Of FGFR3 In Urothelial Carcinoma. | Iranian Journal Of Pathology | 2019 | 14 (12) | 148-155 | <u>0.51</u> |
| | Irfan, Natraj, Sandhya .. | Dark Bronchus Sign: A Subtle Indication Of Diffuse Alveolar Haemorrhage | BMJ Case Report | 2019 | 12(7) | 1-3 | - |
| | Ramesh Babu, Pavithra Vittalraj, Sandhya Sundaram, Sai Shalini | Pathological Changes In Uretero Vesical And Uretero Pelvic Junction Obstruction Explained By Fetal Ureter Histology. | Journal Of Pediatric Urology | 2019 | 15(3): | 240.e1-240.e7 | <u>1.736</u> |
| | P Manjusha Mullappali, Sandhya Sundaram, Lawrence D Cruze, S Rajendiran, T Chandru | An Interesting And Rare Case Of Urachal Adenocarcinoma Enteric Type With Review Of Literature, | Journal Of Clinical And Diagnostic Research. | 2019 | 13(6) | ED03-05 | <u>0.82</u> |
| | Raj Christian Simon Durairaj, Thirugnanasambantham K, Islam MIH, Kumar SM, Sundaram S, Ashok G, Senthilkumar V, Muralidaran S, Saravanan S. | Identification Of Expressed Mirnas In Human Rheumatoid Arthritis Using Computational Approach - Discovery Of A New Mir-7167 From | Microna | 2018 | 8(2) 147-154 | 147-154 | <u>2.481</u> |

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| | | Human. | | | | | |
| | Priyathersini N, Sundaram S, Jenna-Lynn Senge2, Rajendiran S, BalamuruganTD,R aniKanthan | Malignant Transformation In Gastric Pancreatic Heterotopia - A Case Report And Review Of The Literature. | Journal Of Pancreas | 2017 | J 18(1) | 73-77 | <u>1.04</u> |
| | Anuj, Lakshmi Arivazhagan,Rohan Prasad Surabhi,ArchanaKanakarajan,Sandhya Sundaram,Ravi Shankar Pitani, LakminiMudduwa, JoachimKremersko then, Ganesh Venkatraman,,Suresh K Rayala. | KIBRA Attains Oncogenic Activity By Repressing RASSF1A.. | British Journal Of Cancer 2017 | 2017 | 117(4) | 553–562 | <u>5.922</u> |
| | Arun Kumar, SandhyaSundaram, Suresh K. Rayala ,GaneshVenkatraman . | Unpaking RUNX3 Functions-Both Sides Of The Coin. | Small Gtpases | 2017 | 10(4) | :1-7. | <u>1.89</u> |
| | Shalineer Rao, Suresh M, SandhyaSundaram. Prathiba D, RajendiranS . | Quality Measures In Pre-Analytical Phase Of Tissue Processing: Understanding Its Value In Histopathology | . J Of Clinical And Diagnostic Research 2 | 2016 | 10(1) | EC07 – EC11 . | <u>0.82</u> |
| | SusruthanMuralitharan, , V Sridevi, Thanka.. | Spectrum Of Soft Tissue Tumour In Tertiary Cancer. | International Journal Of Recents Trends In Science And Technology | 2016 | 18(2) | 349-353 | <u>4.18</u> |
| | Jagadeeshan S, Subramanian , Tentu, Beesetti, Singhal, Raghavan, | P21-Activated Kinase 1 (Pak1) Signaling | Annals Of Oncology | 2016 | 27(8): | 1546-56 | <u>13.29</u> |

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|--|---|--|---|------|----------|---------------|---------------------|
| | Surabhi , Mavuluri , Bhoopalan , BiswalPitaniRS,Chidambaram S, Sundaram S, Malathi R, Jeyaraman J, Nair AS, Venkatraman G, Rayala SK P. | Influences Therapeutic Outcome In Pancreatic Cancer | | | | | |
| | Vasugi G A , SandhyaSundaram , Anita Ramesh, PrathibaDuvuru And SrinivasaRajappa. | A Tumour In Disguise In The Right Palm-Monophasic Synovial Sarcoma. | Journal Of Clinical And Diagnostic Research 2016 | 2016 | 10(5): | ED03 – ED05 . | <u>0.82</u> |
| | Kumar A ,Singhal M, Chopra C, Srinivasan S, Surabhi RP, Kanumuri R, Tentu S, Jagadeesan S, Sundaram S, Ramanathan K, Pitani R, Muthuswamy B, Abhijit S, Nair AS, Venkatraman G , Rayala SK. | Threonine 209 Phosphorylation On RUNX3 By Pak1 Is A Molecular Switch For Its Dualistic Functions | Oncogene | 2016 | ,35(37) | 4857-65. | <u>6.854</u> |
| | Akanksha Malik , SandhyaSundaram , BhuvanaSrinivasan , C.N Saishalini , Pavithra v | A Rare Mimicker In The Placenta. | <u>J ClinDiagn Res</u> | 2016 | Ju10(6): | EJ01 – EJ02. | <u>0.82</u> |
| | C Simon Durai Raj , SandhyaSundaram, KrishnakumarRamanathan, Ganesh Venkatraman, ShanthiVijayaragavan, S Sankar. | Clinicopathological Characterization Of Gastric Carcinoma In A Tertiary Care Center. | Indian Journal Of Clinical Practice | 2016 | 27(3) | 234-238 | <u>2.566</u> |
| | Archana K ,Sandhya S, Ganesh V, Ravishankar, Prathiba D . | Immunohistochemical Expression Of PELP1in Breast Cancer With Focus On | International Journal Of Recent Trends In Science And | 2015 | 14(1) | 116-121 | <u>4.18</u> |

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| | | Triple Negative Cases | Technology | | | | |
| | Archana Kanakarajan , Prathiba D, Sandhya Sundaram, Ravishankar P, Ramya R... 2015 ;14:704-708 | Clinicopathological Profile And Molecular Classification Of Breast Cancer- A Correlative Study | International Journal Of Recent Trends In Science And Technology | 2015 | 14(3) | 704-708 | <u>4.18</u> |
| | Rukzana Fathima , Shalineer Rao, Simon Durai Raj, D Prathiba, Sunil Shroff, Sandhya Sundaram | . A Study Of COX 2 Expression In Prostatic Adenocarcinoma And Its Clinical Relevance | International Journal Of Recent Trends In Science And Technology | 2015 | 15(1) | 35-40 | <u>4.18</u> |
| | Subashree , Susruthan M, Priyathershini M, Leena Dennis Joseph, Sandhya Sundaram, | Sarcomatoid Renal Cell Carcinoma- A Case Series. | International Journal Of Recent Trends In Science And Technology | July 2015; 15(3): 538-541. | 15(3) | 538-541. | <u>4.18</u> |

Award For Publications :

1. Dr.Sandhya Sundaram received the certificate of merit for meritorious publication in journal with high impact factor from Sri Ramachandra Institute of Higher Education & Research for the Publication Titled “ KIBRA Attains Oncogenic Activity By Repressing RASSF1A”.

2. Dr.Sandhya Sundaram received the certificate of merit for meritorious publication in journal with high impact factor from Sri Ramachandra University in the year 2017 for the Publication Titled “Threonine 209 Phosphorylation On RUNX3 By PAK1 Is A Molecular Switch For Its Dualistic Functions.”