

Prof. (Dr) K. V. Murali
Principal
Nehru Arts and Science College Kanhangad
(www.nasc.ac.in)

'Vrindavan'
Mangala Road, Thrichambaram, P.O. Taliparamba
Kannur Dist., Kerala, India-670141

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Education.....

- ❖ Ph.D in Physics, Kannur University, Kannur
November 2014

Thesis :Structural and Morphological studies of nanostructured semiconducting metaloxides for the fabrication of Dye Sensitized Solar Cells

Supervisor: Dr. T.L. Remadevi, Principal, PRNSS College, Mattanur, Kannur, Kerala, India
- ❖ UGC-CSIR-NET.....
.....December 2004
- ❖ M.Phil in Applied Physics, Cochin University of Science and Technology (CUSAT), Cochin.....March 2003
- ❖ PGDCA, Electronics Research and Development Centre, Dept. of Electronics, Govt. of IndiaJanuary 1998
- ❖ M.Sc.Ed in Physics, Regional College of Education, Mysore University, Mysore, Karnataka.....May 1994
- ❖ B.Ed. in Physical Science, B.Ed Centre, Chovva, University of Calicut, Calicut, Kerala
.....January 1991
- ❖ B.Sc. in Physics, Sree Narayana College, Kannur, Calicut University, Calicut, KeralaApril 1989

MOOC Courses.....

- ❖ LATEX, Spoken Tutorial Project, IIT
Bombay.....2020
- ❖ Hands-on Training on Solar Study Lamp Assembly, IITBombayX, IIT Bombay..... 01-05-2019 to 31-12-2019
- ❖ Python for everybody, University of
Michigan..... 2016
- ❖ Python Data Structures, University of
Michigan..... 2016

Professional Experience.....

- ❖ Nehru Arts and Science College, Kanhangad..... November 2021-present
Principal & Professor
 - ❖ Nehru Arts and Science College, Kanhangad..... April' 18-present
Associate Professor & HoD, Department of Physics
 - ❖ Nehru Arts and Science College, Kanhangad..... 2017-present
Associate Professor, Department of Physics
 - ❖ Nehru Arts and Science College, Kanhangad..... 2004-2017
Assistant Professor, Department of Physics
 - ❖ Nehru Arts and Science College, Kanhangad..... 1996- 2004
Junior Lecturer, Department of Physics
 - ❖ Government Vocational Higher Secondary School, Kalliasseri1994-1996
Non-vocational Guest Lecturer
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Awards/Recognitions.....

- ❑ Certificate of Outstanding Contribution in Reviewing, Materials Research Bulletin(Impact factor:2.435)(Elsevier) May 2017
- ❑ Certificate of Outstanding Contribution in Reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier) May 2017
- ❑ Certificate of Reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier).....May 2016
- ❑ Certificate of Outstanding Contribution in Reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier) May 2015
- ❑ Certificate of Reviewing, Materials Research Bulletin (Impact factor: 2.435) (Elsevier).....May 2015
- ❑ Certificate of Reviewing, Materials Science in Semiconductor Processing(Imp. factor:2.264) (Elsevier)....May 2015
- ❑ Certificate of reviewing, Materials Science and Engineering B (Impact factor: 2.331) (Elsevier).....May 2014
- ❑ Certificate of Reviewing, Materials Science and Engineering B (Impact factor:2.331) (Elsevier).....May 2013

- ☐ Certificate of Outstanding Contribution in Reviewing, Materials Science and Engineering B (Impact factor:2.331) (Elsevier)..... May 2013
- ☐ Research fellowship awarded by UGC (Faculty Development Programme).....02-02-2010 to 01-02-2012

Service& Administrative Experience.....

- ✓ Principal, Nehru Arts and Science College Kanhangad..... November 2021-present
- ✓ Member, Advisory Committee, National Service Scheme, Kannur University.....2022-present
- ✓ Chairperson, Board of Studies in Physics (PG), Kannur University..... August 2021-present
- ✓ Member, Board of Studies in Physics (UG), Kannur University..... August 2021-present
- ✓ Chairperson, Internal Quality Assurance Committee (IQAC)..... November 2021-present
- ✓ Coordinator, UGC-PARAMARSH Scheme..... 2019-2021
- ✓ College level Coordinator, KSEB-Soura Project-SOLAR POWER PLANT (100 kWp)..... 2019-2021
- ✓ Coordinator, NIRF..... . 2019-2021
- ✓ Member, PG Board of Studies, Kannur University..... 2018-2020
- ✓ Member, College Council..... 2018-2021
- ✓ Chairman, Board of Examiners (PG Semester-I and II), Kannur University.....October 2018-2021
- ✓ Coordinator, Internal Quality Assurance Cell (IQAC).....2018-2021
- ✓ Member, Academic Monitoring Committee..... 2018-2021
- ✓ College level Coordinator, FIST, Department of Science and Technology, Government of India2016-2021
- ✓ Director of C.K. Nair Computer Centre, Nehru Arts and Science College, Kanhangad, Kerala.....2016-2021
- ✓ Member, Internal Quality Assurance Committee (IQAC).....2016-2017

- ✓ Internal Mentor, Walks With a Scholar programme, Directorate of Collegiate Education, Govt. of Kerala...2016-17
- ✓ Chairman of Board of Examinations, Post Graduate Diploma in Nanotechnology (PGDNT),Kannur University.....2016-2019
- ✓ Convener, College Planning Board (UGC)2013-2018
- ✓ Convener, College Purchase Committee2012-2014
- ✓ Convener, Technical Committee.....2012-2015
- ✓ Returning Officer, College Union Election2013
- ✓ Member, College Election Committee2010-2013
- ✓ Member, College Graduate (UG and PG) admissions Committee.....1997-2003, 2008-009, 2012-2014
- ✓ Member, Placement Cell under CCIG.....2014
- ✓ Member, Science Club.....2012-Present
- ✓ Member, College Vigilance Committee.....2012
- ✓ College Fine Arts Committee.....2012-2021
- ✓ College level coordinator for National Graduate Physics Examination (NGPE) conducted by The Indian Association of Physics Teachers (IAPT).....2009
- ✓ Member, Library Stock Verification Committee.....2010
- ✓ Member, College Vigilance Committee.....2009
- ✓ **Scientific content reviewer for peer-reviewed publications including:**
 - o **Materials Science and Engineering B (Impact factor: 2.331) (Elsevier)** **Papers reviewed: 26**
 - o **Materials Research Bulletin (Impact factor: 2.435) (Elsevier)** **Papers reviewed: 02**
 - o **Materials Science in Semiconductor Processing(Impact factor:2.264) (Elsevier)** **Papers reviewed: 02**
 - o **Journal of Material Science: Materials in Electronics ((Impact factor:2.324) (Springer) Papers reviewed: 03**
- ✓ Physics Seminar Series, Organizer2016-2017

- ✓ Subject Expert in Selection Committee for the recruitment of teachers (PGT) on contract basis for Jawahar Navodaya Vidyalayas of Kerala, Mahe and Lakshadweep.....24 May 2016
 - ✓ Subject Expert in Selection Committee for the recruitment of teachers (PGT) on contract basis for Jawahar Navodaya Vidyalayas of Kerala, Mahe and Lakshadweep.....2 June 2015
 - ✓ Board of Examiners (Theory- Practical) B.Sc. Degree Physics, Kannur University.....2008-2010 and 2012-present
 - ✓ Board of Examiners (Theory- Practical) M.Sc. Degree Physics, Kannur University.... 2008-2010 and 2012-present
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Extension and Community Service.....

- ✓ Convener of Dr. A.J. Ragina memorial Doctoral dissertation award instituted together by the Department of Physics, Physics Alumni '1986 batch and the Dr. A.J. Ragina Memorial Charitable Trust
.....2014-present
 - ✓ Secretary of Dr. A.J. Ragina Memorial Charitable Trust
.....2013-present
 - o Conducted two Cancer Detection Camps in the neighbouring villages of Nehru Arts and Science College in Collaboration with Malabar Cancer Care Society, Kannur, Kerala (First camp on 29-05-2014 at Poothakal PHC and second on 27-09-20014 at Ennapara PHC).
 - o Conducted awareness class on 'Life Style diseases' at Nehru Arts and Science college Kanhangad
 - ✓ Joint-Secretary of Grameena Kala Samithi Keecheri, Kannur, Kerala.....2004-2010
 - ✓ Member, Organizing Committee Kannur University Arts festival
.....2006, 2008, 2011, 2014
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Teaching and Advising.....

B.Sc. Programmes – Kannur University, Kerala

- Electrodynamics
- Thermal Physics
- C++ Programming
- Python Programming
- B.Sc. Physics lab (Practical-I, Practical-II and Practical-III)
- Project

Complementary Physicsfor B.Sc. Polymer Chemistry- Kannur University, Kerala

- Mechanics
- Magnetism and Thermal Physics
- Modern Physics and Electronics
- Optics and Photonics

M.Sc. Programmes - Kannur University, Kerala

- Quantum Mechanics
- Electrodynamics
- Electronic Instrumentation
- Mathematical Physics
- Spectroscopy
- Microprocessors and applications
- Solid State Physics
- Basic Physics laboratory
- Electronics - Computer Science laboratory

- Project

M.Phil Programme - Bharathidasan University, Thiruchirappalli, Tamil Nadu

- Project in Material Science[2015, 2016, 2017]

Invited Lecture

- ❖ Sasthrapadham, SamagraShiksha, Kerala.....2020 (Online)
- ❖ Institutional Accreditation, IQAC NIST.....2020 (Online)
- ❖ Institutional Accreditation IQAC SES College Sreekandapuram2020 (Online)
- ❖ Virtual World of Physics Education, SES College, Sreekandapuram.....2020(Online)
- ❖ Virtual World of Physics Education, Gurudev Arts and Science College, Mathil.....2020 (Online)
- ❖ Talent Hunt – Sastrajalakam, State Institute of Educational Technology.....2019
- ❖ Sasthrapadham, SamagraShiksha, Kerala..... 2019
- ❖ Talent Hunt – Sastrajalakam, State Institute of Educational Technology..... 2018
- ❖ Sasthrapadham, SamagraShiksha, Kerala.....2018
- ❖ Interactive Simulations in Physics Education, National Science Day Celebrations-2017, Pazhassi Raja N S S College, Mattanur, Kerala..... 28th February 2017
- ❖ Content Enrichment Programme for Higher Secondary School Teachers of Kerala, Andhra pradesh and Telangana in Physics, Regional Institute of Education (NCERT), Mysore..... 24-26th November 2016
- ❖ Content Enrichment Programme for Higher Secondary School Teachers of Kerala, Andhra pradesh and Telangana in Physics, Regional Institute of Education (NCERT), Mysore..... 2-3rd January 2016
- ❖ “Python for Beginners”, Payyanur College, Payyanur, KeralaMay 2015-16
- ❖ “Dye Sensitized Solar Cells”, Mahatma Gandhi College, Iritty, Kerala (14-16 January 2015).....2015
- ❖ ‘Thin Film Solar Cells and applications’, Pazhassi Raja NSS College, Mattanur, Kerala 2010

Conferences/Seminars/Workshops/Short term Courses.....

1. Two day National seminar On ‘Cotemporary Trends in Physics at Sir Syed College Taliparamba, 19-20th November 2019
2. Two day National seminar ‘An Exordium To The New Assessment and Accreditation Framework of NAAC” sponsored by DCE, Kerala, KMM Govt. Women’s College Kannur, 12-13th December 2018

3. Workshop under PAC titled "Development of Glossary for the technical terms of the NCERT Physics text books at Senior Secondary level, Regional Institute of Education (NCERT), Mysore, 5-9th March 2018
4. Workshop under PAC titled "Development of Glossary for the technical terms of the NCERT Physics text books at Senior Secondary level, Regional Institute of Education (NCERT), Mysore, 5-9th February 2018
5. International Vanitha Seminar on Women:Privacy, Profession, Position, Malabar Christian College, Kozhikode (AKPCTA and Kerala Women's Commission), 04th January 2018
6. Colloquium on Smart Materials and Structures, Srinivasa Ramanujan Institute for Basic Sciences (SRIBS) Kottayam & Centre for Materials for Electronics Technology (C-MET) Thrissur, Kottayam, 24-26 November 2017
7. Young Scientist Meet, Indian Association of Physics Teachers (IAPT), Nehru Arts and Science College Kanhangad, 21st November 2016
8. Resource Sharing Workshop on Quantum Mechanics, Nehru Arts and Science College, Kanhangad, 4-5 and 8 March 2016
9. Symposium on Higher Education (Financing Higher Education/Exams & Evaluation), Kerala Higher Education Commission (AKPCTA), 01st January 2016
10. National Seminar on Frontiers in Materials Science, Nehru Arts and Science College, Kanhangad, 15th February 2016
11. Indian Nanoelectronics Users' Programme (INUP) Familiarization Workshop on Nanofabrication Technologies, IIT Bombay, Mumbai, 16-18 December 2015 (Project of DeitY, MCIT, Govt. of India)
12. National seminar on Advanced Materials and their applications, Aquinas College, Edakochi, Kerala, 10-11th September 2015 (UGC)
13. National Conference on Emerging Methods in Nanotechnology (Nano Chem-2015), Pazhassi Raja NSS College, Mattanur, Kannur, Kerala, 17-18 September 2015 (UGC)
14. National Seminar on Optics and Photonics (NSOP-2015), Payyanur College, Payyanur, 6-7 August 2015 (KSCSTE)
15. Workshop on Spectroscopy: Instrumentation and Applications, Dept. of Physics-School of Nano Science and Technology, National Institute of Technology Calicut, 11 January 2014
16. National Seminar on Polymers –Plural Thoughts over the Boons and Bans, Nehru Arts and Science College, Kanhangad, 6-7 February 2014 (Kerala State Council for Science, Technology and Environment (KSCSTE))
17. National Seminar on Present and future scope of Nanoscience and Nanotechnology, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 106-113 (UGC)
18. National Workshop on Data Analysis using Statistical Software, Nehru Arts and Science College, Kanhangad, 16-17 October 2014 (UGC)
19. National Seminar on Current Trends in Materials Science, Aquinas College, Edakochi, Kerala 13-14 August 2014 (UGC)
20. Lecture workshop on Statistical Mechanics, Nehru Arts and Science College, Kanhangad, 15-17 July 2011 (Indian Academy of Sciences, Bangalore; The National Academy of Sciences Allahabad; Indian National Science Academy, New Delhi)
21. National Seminar on Emerging trends in Optoelectronic and Solar energy Nanomaterials (EOSN-2011), PRNSS College Mattannur, India, 23-24 September 2011 (UGC)
22. Third International Conference on Frontiers in Nanoscience and Technology, Cochin Nano-2011, CUSAT, India, 14-17 August 2011
23. Pre-Conference Workshop of Third International Conference on Frontiers in Nanoscience and Technology, Cochin Nano-2011, CUSAT, India, 14 August 2011
24. 23rd Kerala Science Congress, Centre for Earth Science Studies, Thiruvananthapuram, India, 29-31 December 2011
25. International conference on light, OPTICS'11, NIT Calicut, India, 23-25 May 2011 (DST)
26. International conference on Nanomaterials and Nanotechnology (NANO 2010), KSR College of Technology, Tiruchengode, Tamil Nadu, India, 13-16 December 2010 (IUPAC, DST, DRDO, CSIR)
27. 20th Swadeshi Science Congress, Central Marine Fisheries Research Institute (CMFRI), Kerala, India, 6-8 November 2010 (ICAR India)
28. National Seminar on the Potential role of Atmospheric Aerosols in Inducing Climate Changes-2010, 16-17 March 2010 (UGC)

29. International Conference on Nanotechnology and its Applications (Nanotech India 2009), Gokulam Park, Cochin, Kerala 14-16 August 2009
 30. Workshop on Restructuring and Curriculum Designing of Undergraduate Course, SreeNarayana College, Kannur and BOS in Physics (UG) 5-6 March 2009 and 25-26 March 2009 (Kerala State Higher Education Council)
 31. National Conference on Nanophotonic Materials (NCNM-2008), CUSAT, Cochin, 10-12 October 2008 (SPIE CUSAT Student Chapter, IIT Madras SPIE CUSAT Student Chapter and CUSAT)
 32. Workshop on Introduction of Grading System at UG Level, Nehru Arts and Science College, Kanhangad, 01 January 2008 (Kannur University)
 33. Teacher Training Programme, AKMGHSS Pinarayi, Kannur, Kerala, 21-23 May 2007 (Directorate of Higher Secondary Education, Kerala)
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Orientation Programmes/Refresher Courses/FDP.....

- ❖ FDP-Online Education in Higher Education Institutions, The Kerala Higher Education Council.....13-17th July 2020
 - ❖ Faculty Development Programme for Educational Administrators, Faculty Training Centre, The Kerala Higher Education Council.....10-14th July 2019
 - ❖ Training Course in 'Environmental Degradation of Materials in Power Industry and its Control' (Global Initiative of Academic Networks, Ministry of Human Resource Development, Government of India), National Institute of Technology, Tiruchirappalli, December 11-17, 2017
 - ❖ Refresher course in Statistical Mechanics, UGC-Academic Staff College, Kannur University.....28-04-2014 to 17-05-2014
 - ❖ Refresher course in Statistical Physics, Nehru Arts and Science College, Kanhangad, (Indian Academy of Sciences, Bangalore; The National Academy of Sciences Allahabad; Indian National Science Academy, New Delhi).....08-05-2013 to 21-05-2013
 - ❖ Faculty Development Programme, University Grants Commission.....02-02-2010 to 01-02-2012
 - ❖ Short Term course for Research Methodology in Science, Kannur University, 16-19 August 2010, (UGC)
 - ❖ STAT Program on Nanomaterials, IIT Madras 30 August -3 September 2010, (IIT Madras and Govt. of Kerala)
 - ❖ Orientation Programme, UGC-Academic Staff College, University of Kerala06-11-2008 to 03-12-2008
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Chair.....

- ❖ Chaired Session-I of National Conference on "Emerging Methods in Nanotechnology" (Nano Chem-2015) at Department of Chemistry and Research Centre, PRNSS College, Mattanur, Kerala, September 17-18, 2015

Professional Organizations

- ☐ Life Member, Academy of Physics Teachers (Professional Body of College and University teachers)
 - ☒ Member, Society for advancement of Physics Education (SAPE), Kerala
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Peer-reviewed Publications.....

Journal Papers

1. Murali KV, Remadevi TL, (2021) Photo-characterization of Organic Dye-Sensitized Tin Oxide Films. *Indian Journal of Science and Technology* 14(25): 2097-2105.
2. Murali KV, Remadevi TL (2021) Rapid Synthesis of SnO₂ Thin Films using Monoethanolamine through Wet Chemical Route., **Indian Journal of Science and Technology** 14(19): 1565-1573.
3. Murali, K. V., and Remadevi, T. L. (2020). Comparison of Properties of Tin Oxide Thin Films Prepared from Different Tin Precursors. *i-manager's Journal on Material Science* (2020), 8(1), 26-38.
4. Kavitha K, N V Vijayalakshmi, **K V Murali**, "Preparation and characterization of lead sulphide thin films", **Academia** 2(2016) 27-31
5. **K. V. Murali**, T. L. Remadevi, "Zinc oxide nanostructures with Cauliflower Morphology by SILAR technique", **Academia**, 1(2015) 46-49
6. K. Deepa, K.C. Preetha, **K.V. Murali**, A.C. Dhanya, A.J. Ragina, T.L. Remadevi, "The effect of various complexing agents on the morphology and optoelectronic properties of chemically deposited ZnS thin films: A comparative study", **Optik** 125 (2014) 5727–5732
7. **K. V. Murali**, A. J. Ragina, K. C. Preetha, K. Deepa, T. L. Remadevi, "Wet chemical synthesis of quantum confined nanostructured tin oxide thin films by successive ionic layer adsorption and reaction technique", **Materials Research Bulletin**, 48 (2013) 3009–3016.
8. **K. V. Murali**, A. J. Ragina, K. C. Preetha, K. Deepa, T. L. Remadevi, "Influence of ammonia, lithium hydroxide, and hexamine on ZnO films synthesized by successive ionic layer adsorption and reaction technique", **Journal of Materials Science** 48 (2013) 1852–1861.
9. A.C Dhanya, K. C. Preetha, A. J. Ragina, **K. V. Murali**, K. Deepa, T. L. Remadevi, "Effect of deposition time on optical and luminescence properties of ZnS thin films prepared by photoassisted chemical deposition technique", **Materials Science in Semiconductor Processing**, 16(2013) 955-962
10. K C Preetha, K V Murali, A J Ragina, K Deepa, A C Dhanya and T L Remadevi, "The role of cationic precursors in structural, morphological and optical properties of PbS thin films", *IOP Conf. Series: Materials Science and Engineering* 43 (2013) 012009 doi:10.1088/1757-899X/43/1/012009
11. A. J. Ragina, **K. V. Murali**, K. C. Preetha, T. L. Remadevi, "UV irradiated wet chemical deposition and characterization of nanostructured tin sulfide thin films", **J Mater Sci: Mater Electron**, 23 (2012) 2264-2271
12. **K. V. Murali**, K. C. Preetha, A. J. Ragina, K. Deepa, T. L. Remadevi, "Optical red shift in ZnO nanoflowers fabricated on non-seeded substrates by soft wet chemical route", *AIP Conference Proceedings*, **Materials Physics and Applications** 1391(2011) 561-563.
13. K. C. Preetha, **K. V. Murali**, A. J. Ragina, K. Deepa, T. L. Remadevi, "Effect of cationic precursor pH on optical and transport properties of SILAR deposited nano crystalline PbS thin films", **Current Applied Physics** 12 (2012) 53-59
14. A. J. Ragina, **K. V. Murali**, K. C. Preetha, K. Deepa, T. L. Remadevi, "A study of optical parameters of tin sulphide thin films using the Swanepoel method", *AIP Conference Proceedings*, **Materials Physics and Applications**, 1391 (2011) 752-754
15. A. J. Ragina, K. C. Preetha, **K. V. Murali**, K. Deepa, T. L. Remadevi, "Wet chemical synthesis and characterization of tin sulphide thin films from different host solutions", **Advances in Applied Science Research**, 2 (3) (2011) 438-444
16. K. C. Preetha, **K. V. Murali**, A. J. Ragina, K. Deepa, T. L. Remadevi, "Studies on gold doped lead sulphide thin films grown by SILAR Technique", *AIP Conference Proceedings*, **Materials Physics and Applications** 1391 (2011) 749-751
17. **Murali K.V**, Aldrin Antony, Manoj Ramachandran and M. K. Jayaraj, "Preparation and characterisation of ZnS thin films by Chemical bath deposition and Electron beam evaporation", *Asia-Pacific optical and wireless conference Proc.SPIE Materials, active devices and optical amplifiers* Edited by Chang-Hasnain, Connie J.; Huang, Dexiu; Nakano, Yoshiaki; Ren, Xiaomin. **Proceedings of the SPIE**, Volume 5280, 600 (2004)
18. A. Antony, **K.V. Murali**, R. Manoj and M.K. Jayaraj, "The effect of pH on the growth and properties of chemical bath deposited ZnS films", **Materials chemistry and physics** 90, 106-110 (2005)

Conference Presentations/Papers

1. **K.V. Murali**, T.L. Remadevi, "Characterisation of polycrystalline tin oxide thin films prepared by SILAR", **National seminar on Advanced Materials and their applications**, Aquinas College, Edakochi, Kerala, 10-11 September 2015
2. **K.V. Murali**, T.L. Remadevi, "Zinc oxide films with nanoflake morphology synthesized by wet chemical method SILAR", **National Seminar on Current Trends in Materials Science**, Aquinas College, Edakochi, Kerala 13-14 August 2014, 182-189

3. Maya P.T, Sruthi.T, Sathyan T.V., **K.V. Murali**, T.L. Remadevi, "Nanostructured semiconducting zinc oxide thin films with nanoflower morphology synthesized by two-step chemical method", **National Seminar on Present and future scope of Nanoscience and Nanotechnology**, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 106-113
4. Neethu. K, Athira. M, Naseema. K, **K.V.Murali**, T.L. Remadevi, "Characterization of zinc oxide films synthesized by SILAR and CBD using zinc nitrate-zinc acetate baths with triethanolamine", **National Seminar on Present and future scope of Nanoscience and Nanotechnology**, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 115-124
5. VidyaLohi, Sruthi.T, Sathyan T.V., **K.V.Murali**, T.L. Remadevi, "Fabrication of mesoporous nanosheets of zinc oxide using two-step chemical methods", **National Seminar on Present and future scope of Nanoscience and Nanotechnology**, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 125-132
6. **K.V. Murali, T.L. Remadevi**, "Electrical, optical and porosity studies of wet chemical synthesized zinc oxide films", **National Seminar on Present and future scope of Nanoscience and Nanotechnology**, Bishop Abraham Memorial College, Kerala, 2-4 September 2014, 218-225
7. **K. V. Murali**, A. J. Ragina, K. C. Preetha, K. Deepa, T. L. Remadevi, "Nanostructured tin oxide thin films by environmentally benign wet chemical route", **Third International Conference on Frontiers in Nanoscience and Technology, Cochin Nano-2011**, CUSAT, India, **2011**
8. **K. V. Murali**, K. C. Preetha, A. J. Ragina, K. Deepa, T. L. Remadevi, *Optical red shift in ZnO nanoflowers fabricated on non-seeded substrates by soft wet chemical route*, **International conference on light, OPTICS'11**, NIT Calicut, India, **2011**.
9. K. C. Preetha, **K. V. Murali**, A. J. Ragina, K. Deepa, A.C. Dhanya, T L Remadevi, "The role of cationic precursors in structural morphological and optical properties of PbS thin films", **National Seminar on Current Trends in Materials Science**, Christian College, Chengannur, Kerala (2011)
10. **K. V. Murali**, A. J. Ragina, K. C. Preetha, K. Deepa, T. L. Remadevi, *Structural and morphological characterization of tin oxide thin films synthesized at room temperature by SILAR technique*, **National Seminar (EOSN-2011)**, PRNSS College Mattannur, India, **2011**.
11. **K. V. Murali**, A. J. Ragina, K. C. Preetha, K. Deepa, T. L. Remadevi, *Mesoporous zinc oxide nanoflowers by environmentally benign soft chemical route*, **23rd Kerala Science Congress**, Thiruvananthapuram, India, **2011**
12. **K. V. Murali**, Ragina A. J., Preetha K. C., Deepa K., Remadevi T. L., "Structural and morphological characterization of nanostructured ZnO synthesized by wet chemical methods", **International conference on Nanomaterials and Nanotechnology (NANO 2010)**, Macmillan publishers India Ltd ISBN:023-033-193-9:159, **2010**.
13. **K. V. Murali**, Ragina A. J., Preetha K. C., Deepa K., Remadevi T. L., "Zinc oxide nanostructures by SILAR technique", **Nanotechnology and Environment, 20th Swadeshi Science Congress**, CMFRI, Kerala, India, **2010**.
14. **K. V. Murali**, Ragina A. J., Preetha K. C., Pradeep V. S., Remadevi T.L., "Synthesis of high purity zinc hydroxide thin film precursors for converting in to semiconductor zinc oxide thin films", **Proceedings of NANOTECH INDIA 2009 International Conference**, 14-16 August 2009, Gokulam Park, Cochin

Contributions in Book

1. **K. V. Murali**, K. C. Preetha, A. J. Ragina, K. Deepa, T. L. Remadevi, "Structural and Morphological characterizations of Nano structured Zinc Oxide Films Synthesized By Wet chemical Methods", **Synthesis and Characterizations of Nanostructured Materials** 159-164 (2010), **Macmillan Advanced Research Series, Macmillan Publishers India Ltd**, ISBN: 10:0230-33193-9, ISBN 13:978-0230-33193-8
2. A. J. Ragina, **K. V. Murali**, K. C. Preetha, K. Deepa, T. L. Remadevi, "Structural and Morphological studies of Chemical Bath Deposited Tin Sulphide thin films", **Synthesis and Characterizations of Nanostructured Materials** 183-188(2010) Macmillan Advanced Research Series; **Macmillan Advanced Research Series, Macmillan Publishers India Ltd**, ISBN: 10:0230-33193-9, ISBN 13:978-0230-33193-8
3. K. C. Preetha, **K. V. Murali**, A. J. Ragina, K. Deepa, T. L. Remadevi, "Effect of Post Deposition Annealing On Structural, Morphological and Optical Properties of Chemically Deposited PbS Thin films", **Nanostructured Materials** 255-260 (2010);

Macmillan Advanced Research Series, Macmillan Publishers India Ltd, ISBN: ISBN 10:0230-33200-5, ISBN 13:978-0230-33200-3

4. K. C. Preetha, **K. V. Murali**, A. J. Ragina, K. Deepa, T. L. Remadevi, "*Structural, Morphological and Optical Properties of polycrystalline CBD PbS Thin films synthesized from various metal ion sources*", **Processes and Characterization Of Advanced Nano structured Materials** 215-220(2010); **Macmillan Advanced Research Series, Macmillan Publishers India Ltd**, ISBN: ISBN 10:0230-33199-8, ISBN 13:978-0230-33199-0

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