

Curriculum Vitae

Personal information

Name

Dr. SUBBARAO MATHANGI

M.Sc., B.Ed., Ph.D., CSIR-JRF/SRF

Permanent Address

Dr. M. SUBBARAO, s/o JAYAPPAUL

D.NO: 11-110, HORRISPET (V)

GURUNADHA NAGAR (P)

NIZAMPATNAM (M)

GUNTUR - 522262

Andhra Pradesh, India

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+91-9618159380

Email-ID

subbarao.mathangi@gmail.com

Nationality

Indian

Date of birth

10 Jul, 1984

Religion

Hindu

Category

SC

Skyp-ID

subbarao.mathangi@gmail.com

Academic Qualification

PhD Degree Details

Title of the Thesis:

Ph. D (PHYSICS)

From Acharya Nagarjuna University, Year of Award 2017,

Synthesis and Characterization of Transition Metal ions doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Phosphors

Research Area:

Nanomaterials, Spectroscopy, Bio Active Materials & Glass Sciences

Professional Course

B. Ed (Mathematics & Physical Science),

From St. Johns College of Education, Cumbum, in the year 2008,

Acharya Nagarjuna University,

Marks Obtained : 68.00 %

Masters Degree

M. Sc (PHYSICS)

From University College of Sciences,

Acharya Nagarjuna University, in the year 2010,

Marks Obtained : 62.00 %

Bachelors Degree

B. Sc (Mathematics, Physics, Chemistry)

From Andhra Christian College, Guntur, in the year 2006,

Acharya Nagarjuna University, Marks Obtained : 54.00 %

Secondary Exam

SSC, From Z.P. High School, Adavuladeevi, Guntur

Board of Secondary Education, Andhra Pradesh, in the year 2000,

Marks Obtained : 54.00 %



Scholarship/Fellowship

Publications

CSIR-NET-JRF/SRF, Funding from UGC on 27 Feb, 2012

Journal(SCI): **8**, [After PhD]: **2**, Conference Papers: **12**

Book Chapters: **1**

Teaching Experience

Assistant Professor (Ad-hoc) from 04-09-2018 to till date,

Dr. BR. Ambedkar University, Etcherla, Srikakulam.

Employed at Dr. Samuel George Institute of Engineering & Technology,

as Assistant Professor, from: 10 May, 2010 to 26 Feb, 2012

[Total 1 Years, 9 Months]

Employed at Dr. Samuel George Institute of Engineering & Technology

as Assistant Professor, from: 01 Mar, 2017 to 31 May, 2018

[Total 1 Years, 3 Months]

Research Experience

Research Fellow in Physics (**JRF/SRF**) at Acharya Nagarjuna University,

From: 27 Feb, 2012 to 26 Feb, 2017

Total Experience

Teaching-**3**+ Research-**5** = **8 Years**

Student Supervised

Masters Student: 5 Years

Additional Details

1. **CSIR-NET** (JRF) and Lectureship (LS)-**June 2011**

2. Graduate Aptitude Test in Engineering (**GATE-2010**), Feb 2010 in Physics

3. First Place in Cricket. University College of Sciences, **2014-2015**,
Acharya Nagarjuna University

4. First Place in Cricket. University College of Sciences, **2016-2017**,
Acharya Nagarjuna University

* An active volunteer of National Service Scheme (**NSS**) for 3 years.
Participated in two special camping programs **2003-2006**.

5. Krishna Pushkarams-Amaravathi. Youth for Swachatha.

6. Acharya Nagarjuna University, Guntur. Youth for Swachatha.

Current Research Area:

Synthesis and Characterizations of Zinc Phosphate based
Nano-Bio Implant Materials

References

Referee Name : **Dr. Sandhya Cole,**
Address : Dept. of Physics, Acharya Nagarjuna University
Nagarjuna Nagar-522 510, Guntur, Andhra Pradesh
Phone Number : +91-9441902295,
Email-ID : **sandhya.cole@gmail.com**

Referee Name : **Dr. P. Syam Prasad,**
Address : Dept. of Physics,
National Institute of Technology Warangal-506004
Telangana, India
Phone Number : +91-8332969472,
Email-ID : **syamprasad@nitw.ac.in**

Referee Name : **Prof. K. Samatha,**
Address : Dept. of Physics, Andhra University
Visakhapatnam-530 003
Andhra Pradesh, India
Phone Number : +91-9441044529,
Email-ID : **samatha_k2002@yahoo.com**

Decalaration by the applicant

I, *Dr. Subbarao Mathangi*, hereby certify that all the particulars furnished above are correct to the best of my knowledge and belief, and any change in the above information in future will be immediately intimated to the Institute. I understand that if at any point of time, any of the information is found to be false, my candidature may be cancelled/dismissed and the Institute may take any necessary action against me.

Place : GUNTUR

Date :

SUBBARAO MATHANGI

List of Publications:

1. Structural and Spectral Investigations of undoped and Mn^{2+} ion doped $Zn_3(PO_4)_2ZnO$ nanocrystalline Phosphor Materials
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao, Sandhya Cole
Journal of Alloys and Compounds 682 (2016) 7-13 **IF: 2.999**
2. Synthesis and Characterizations of Chromium ions doped Zinc-Phosphate Zinc Oxide Nanocrystalline powder.
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao, Sandhya Cole
"International Journal of Advanced Research in Physical Science". 2 (2015) 46-53
IF: 3.645
3. Synthesis and characterization of undoped and Mn^{2+} ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline powder.
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao, Sandhya Cole
"BLOOMSBURY, ed., New Delhi London Oxford New York Sydney" (2015)
ISBN: 978-93-85436-76-5
Synthesis and Fabrication of Nanomaterials, PP. 283-286 (2015)
4. Spectral and Structural Investigations of undoped and Fe^{3+} ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Phosphor Materials **ISBN: 978-1-329-77555-8**
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
5. Spectroscopic Characterizations of Fe^{3+} doped $Zn_3(PO_4)_2 ZnO$ white light nanophosphors
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
"Anveshana's International Journal of Research in Engineering and Applied Sciences" 2 (2017) 387-391 **ISSN: 2455-6300**
6. Structural and Spectral properties of undoped and tungsten doped $Zn_3(PO_4)_2ZnO$ nanopowders
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao and Sandhya Cole
Journal of Physics Chemistry of Solids, 112 (2018) 200-208. **IF: 2.059**
7. Synthesis, characterization of undoped and doped $Zn_3(PO_4)_2ZnO$ nanopowders by sol-gel Method,
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao and Sandhya Cole
J. Mater. Sci. Mater. Electron (Springer) 28 (2017) 12226-12238 **IF: 2.019**
8. Undoped and Molybdenum doped $Zn_3(PO_4)_2ZnO$ nanopowders with structural and Optical Properties
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao and Sandhya Cole
"Anveshana's International Journal of Research in Engineering and Applied Sciences" 2 (2017) 376-379 **ISSN: 2455-6300**
9. Structural and Luminescent properties of undoped and tungsten doped $Zn_3(PO_4)_2ZnO$ Nanocomposites
K. Satyavathi, **M. Subba Rao**, Sandhya Cole
International Journal of Luminescence and applications 4 (2017) 300-305 **IF: 3.801**

- 10.** Synthesis and Characterization of Vanadium doped Zinc-phosphate Zinc Oxide Nanocrystalline powder **ISBN: 978-93-82570-42-4**
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao, V. Madhuri and Sandhya Cole
- 11.** Physical and Structural Characterization of Manganese Ions Doped SrO-Li₂O-CaO-B₂O₃ (SLCB) Glasses,
International Journal of Scientific Engineering and Research (IJSER) **IF: 3.8**
3(2015) 132-135
M. Ratna Raju, **M. Subba Rao**, Dr. Sandhya Cole
- 12.** Physical and Structural Characterization of Chromium Ions Doped SrO-Li₂O-CaO-B₂O₃ (SLCB) Glasses,
International Journal of Science and Research (IJSR) 4(2015) 1558-1561
M. Ratna Raju, **M. Subba Rao**, Dr. Sandhya Cole **IF: 4.438**
- 13.** Synthesis and Characterization of Mn²⁺ doped CdOZn₃(PO₄)₂ Nanocomposites
Y. Naga Bhaskararao, K. Satyavathi, **M. Subba Rao**, Sandhya Cole
Journal of Molecular Structure, 1130 (2016) 585-591 **IF: 1.780**
- 14.** Investigations on spectral features of tungsten ions in sodium lead alumino borate Glass system.
V. Madhuri, J. Santhan Kumar, **M. Subba Rao**, Sandhya Cole
Journal of Physics and Chemistry of Solids 78 (2015) 70-77 **IF: 2.048**
- 15.** EPR, optical and physical Properties of chromium ions in CdO- SrO-B₂O₃-SiO₂ (CdSBSi) glasses.
J. Santhan Kumar, J. Lakshmi Kumari, **M. Subba Rao** and Sandhya Cole
"Optical materials" 35 (2013)1320-1326 **IF: 2.183**
- 16.** Spectral Studies of Fe³⁺/CdOZn₃(PO₄)₂ Nano Composite via Chemical Precipitation Method
Y. Naga Bhaskararao, K. Satyavathi, **M. Subba Rao**, Sandhya Cole
"Anveshana's International Journal of Research in Engineering and Applied Sciences" 2 (2017) 397-401 **ISSN: 2455-6300**
- 17.** XRD, FT-IR and SEM Studies of Cr³⁺ doped CdO Zn₃(PO₄)₂ nanopowders
Journal of Chemical and Pharmaceutical Sciences 9 (2016) 611-614
Y. Nagabhaskara Rao, K. Satyavathi, **M. Subba Rao** and Sandhya Cole
ISSN: 0974-2115
- 18.** Photoluminescence Properties of Undoped and Mn²⁺ ion Doped Zn₃(PO₄)₂ZnO Nanocrystalline Phosphor Materials
M. Subba Rao, K. Satyavathi, Y. Naga Bhaskararao, K. Vijaya Babu, Sandhya Cole
ISBN: 978-81-929088-4-7

- 19.** Structural Properties Ti-doped $Zn_3(PO_4)_2ZnO$ nanocrystalline powders by Sol-gel technique
K. Satyavathi, **M. Subba Rao**, Y. Naga Bhaskararao, K. Vijaya Babu, Sandhya Cole
ISBN: 978-81-929088-4-7
- 20.** Physical and Optical Properties of TiO_2 Doped Sodium Lead Alumino Borosilicate Glasses
K. Vijaya Babu, **M. Subba Rao**, K. Satyavathi, Y. Naga Bhaskararao, Sandhya Cole
ISBN: 978-81-929088-4-7
- 21.** Structural and Morphological Studies of Cu (II) Ion Doped $CdOZn_3(PO_4)_2$ Nanopowders
Y. Naga Bhaskararao, K. Satyavathi, **M. Subba Rao**, K. Vijaya Babu, Sandhya Cole
ISBN: 978-81-929088-4-7
- 22.** Structural and spectral investigations of undoped and Cr (III) ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Phosphor Materials.
M. Subba Rao, K. Satyavathi, Y. Naga Bhaskararao, K. Vijaya Babu, Sandhya Cole
ISBN: 978-93-5258-740-7
- 23.** Investigation on the Physical and Optical Properties of Dy^{3+} Doped Sodium lead Alumino Borosilicate Glasses.
K. Vijaya Babu, **M. Subba Rao**, K. Satyavathi, Y. Naga Bhaskararao, Sandhya Cole
ISBN: 978-93-5258-740-7

International and national seminars/Conferences:

- 01. International Seminar** on Science and Technology of Glass Materials (isstgm2009). The Department of Physics, Acharya Nagarjuna University.
M. Subba Rao
- 02.** AP SCIENCE CONGRESS-2012, Acharya Nagarjuna University, Guntur.
EPR and Optical Absorption Studies in Mo^{5+} Ions Doped Strontium-Borosilicate Glasses
J. Santhan Kumar, S. Ravi Kumar **M. Subba Rao** and Sandhya Cole
- 03.** AP SCIENCE CONGRESS-2012, Acharya Nagarjuna University, Guntur.
Optical Absorption Studies and Physical Properties of Mn^{2+} Ions Doped $\text{K}_2\text{-CdO-B}_2\text{O}_3\text{-SiO}_2$ Glass Systems.
G. Keerti Marita, **M. Subba Rao**, S. Ravi Kumar and Sandhya Cole
- 04.** National Conference on Advances in Materials Science and Technology (AMST-2012).
The Department of Physics, Kakatiya University, Warangal.
Optical and EPR Studies of Iron Doped $\text{K}_2\text{O-CdO-B}_2\text{O}_3\text{-SiO}_2$ (KCBSi) Glasses.
G. Keerti Marita, **M. Subba Rao** and Sandhya Cole
- 05.** National Seminar on Multi Functional Materials (NSMFM-2013).
The Department of Physics, Andhra Loyola College, Vijayawada.
Spectroscopic properties of Pr^{3+} doped Zinc alumino bismuth borate glasses.
J. Lakshmi Kumari, S. Ravi Kumar, **M. Subba Rao** and Sandhya Cole
- 06.** National Conference on Physics and Chemistry of Solids" (NCPCS-2013)
S.R. & B.G.N. Govt. Arts & Science College, Khammam.
Influence of titanium ions on EPR and Optical Properties of $\text{CdO-SrO-B}_2\text{O}_3\text{-SiO}_2$ Glasses. J. Santhan Kumar, S. Ravi Kumar, **M. Subba Rao** and Sandhya Cole
- 07.** "Nanotechnology – "A Fuel for Chemical Industry" (NTFC-2013).
National Workshop, R.V.R. & J.C. College of Engineering, Guntur.
M. Subba Rao
- 08.** AP SCIENCE CONGRESS-2013, University of Hyderabad
Innovation in Science and Technology for Emerging Knowledge Society.
- 09.** "National Seminar on "Recent Trends in Surface Sciences and Nanotechnology"
(RTSSN-2013). Potti Sriramudu Chalavadi Mallikarjuna Rao College of Engineering & Technology-Vijayawada. Optical and X-ray diffraction characterizations of Cu^{2+} doped $\text{Zn}_3(\text{PO}_4)_2\text{ZnO}$ nano crystalline powder.
M. Subba Rao, J. Santhan Kumar and Sandhya Cole
- 10.** "National Seminar on Modern Trends In Chemical Sciences" (MTCS-2013)
The Department of Chemistry, Acharya Nagarjuna University.
Synthesis and characterization of Cu^{2+} doped $\text{Zn}_3(\text{PO}_4)_2\text{ZnO}$ nano Crystalline Powder
M. Subba Rao, J. Santhan Kumar and Sandhya Cole
- 11.** "International Symposium on Environmental Pollution, Nutrition & Genetics" A Special Symposium on Cancer Biology & Therapeutics -2013. The Department of Chemistry, Vikrama Simhapuri University, Nellore, Nano Materials and Health Hazards.
M. Subba Rao, J. Santhan Kumar and Sandhya Cole
- 12.** "National Conference on" Advanced materials for Energy Application (NCAMEA-2014) The Department of Physics, Osmania University, Hyderabad.
Role of Cr^{3+} Ions in $\text{K}_2\text{O-CdO-B}_2\text{O}_3\text{-SiO}_2$ (KCBSi) Glass System by means of Optical Studies.
G. Keerti Marita, J. Santhan Kumar, **M. Subba Rao** and Sandhya Cole

13. "National Seminar on Renewable Energies, Ecosystems and Sustainable Environmental Management" The Department of Environmental Sciences, Acharya Nagarjuna University. Effect of global warming and climate change.
V. Madhuri, J. Santhan Kumar, **M. Subba Rao** and Sandhya Cole
14. "UGC Sponsored National Seminar on shaping the future with green Chemistry" (SFGC-14). The Department of Chemistry, S.P.M.H, Kalasala, Machilipatnam.
M. Subba Rao
15. "UGC Sponsored National Seminar on Development of Advanced Materials in Physics & Electronics and their applications" The Department of Physics & Electronics KBN College, Vijayawada.
V. Madhuri, K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao and Sandhya Cole
16. "Short Term Programme on Nano Structural Materials: Processing and Characterization" The Department of Physics, National Institute of Technology, Tiruchirapalli - 620015, Tamilnadu. During November 7 & 8, 2014. **M. Subba Rao**
17. UGC Sponsored National Seminar on Display Materials (NSDM-14). The Department of Physics, PBN College, Nidubrolu. During November 7 & 8, 2014. Synthesis and Characterization of Vanadium doped Zinc-phosphate Zinc Oxide Nanocrystalline powder
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao and Sandhya Cole
18. **International Seminar** on Glasses and other Functional Materials (isgfm-14). Organized by The Department of Physics, Acharya Nagarjuna University. During 11-13th December, 2014. Synthesis and characterization of Mn²⁺ doped Zn₃(PO₄)₂ ZnO Nano Crystalline Powder.
M. Subba Rao, Y. Nagabhaskara Rao and Sandhya Cole
19. **International Conference** on Frontiers in Nano Science, Technology and Applications (FINSTA'14), during 20-22, December 2014. Organized by the Dept. of Physics, Sri Sathya Sai Institute of Higher Learning, Prashanthinilayam, A.P., India. Optical and X- Ray Diffraction Characterization of Cr₂O₃ doped Zn₃(PO₄)₂ZnO Nano Crystalline Powder
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao, V. Madhuri and Sandhya Cole
20. National Seminar on Multi Functional Materials Synthesis and application (MFMSA-15) during 23-24 January, 2015 organized by the Dept. of Physics, The Hindu College, Machilipatnam, Krishna District, Andhra Pradesh. Synthesis and Characterization of Chromium ions doped Zinc-Phosphate Zinc Oxide Nano Crystalline Powder
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao, V. Madhuri and Sandhya Cole
21. **National workshop** on Recent Trends in X-ray Diffraction Techniques (NWRTXRD- 2015) during 29-30 May, 2015 organized by the Dept. of Physics, Osmania University, Hyderabad, Telangana State, India. **M. Subba Rao**
22. National Seminar on Optoelectronic device materials (NSODM-2015) Organized by The Department of Physics, Bapatla College of Arts & Sciences, During 20th June, 2015.
M. Subba Rao
23. "National Seminar on Shaping the future with Nano science" (SFNS-2015) Organized by The Department of Chemistry, PBSCAS, Vijayawada, Krishna University, during 19-20, August 2015. Spectral and photoluminescence Properties of undoped and Mn²⁺ ion doped Zn₃(PO₄)₂ZnO Nanocrystalline Phosphor Materials
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
24. National seminar in Physics Recent developments in Nano technology & Nano science Organized by The Department of Physics, V.K.V. Government Degree College, Kothapeta. Adikavi Nannaya University, Rajahmundry, during 31st August & 1st September 2015. Spectroscopic Properties of Fe²⁺ doped Zn₃(PO₄)₂ZnO Nanocrystalline powder
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole

25. National seminar in Physics Recent developments in Nano technology & Nano science Organized by the Department of Physics, V.K.V. Government Degree College, Kothapeta. Adikavi Nannaya University, Rajahmundry, during 31st August & 1st September 2015. Structural and Spectral Properties of Ti^{2+} ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Composites K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao and Sandhya Cole
26. National seminar on Trends and Applications of liquid crystals (NLSC-2015) organized by the Dept. of Physics, Andhra Christian College, Guntur-522001, Andhra Pradesh. During 10th & 11th September 2015. Synthesis and Characterization of Undoped and Cu^{2+} ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline powder
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
27. National Conference on "Need and role of nano sciences in present era" (NRNSPE) Organized by the Department of Chemistry, PBSCAS, Vijayawada, Krishna University, during 7-8th October 2015. Structural and Spectral Investigations of undoped and Cu^{2+} ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Phosphor Materials
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
28. **Acquaintance programme** Organized by Inter-University Accelerator Center (IUAC), New Delhi in collaboration with Department of Physics, Acharya Nagarjuna University, Nagarjuna Nagar-522 510, A.P. During 9th October 2015. **M. Subba Rao**
29. National seminar on "Advances in Materials Science" (NSAMS-15) with Department of Electronics & Instrumentation Technology, Acharya Nagarjuna University, Nagarjuna Nagar-522 510, A.P. During 25th & 26th November, 2015.
30. **International Conference** on Nanomaterials and Nanotechnology, (NANO-15) held at K.S. Rangasamy College of Technology, Tiruchengode, India during 7th-10th, December 2015. Synthesis and characterization of undoped and Mn^{2+} ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline powder
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
31. National Seminar on "Recent Trends in Applied Physics" K.R.K. Government Degree College, Addanki, Prakasam District, A.P. During 16th & 17th December, 2015. XRD, FT-IR and SEM Studies of Cr^{3+} doped $CdO(PO_4)_2ZnO$ nanopowders.
Y. Nagabhaskara Rao, K. Satyavathi, **M. Subba Rao** and Sandhya Cole
32. **International Conference** on "Science and Engineering of Materials For Future Needs" (ICSEMF-2015) S.R. & B.G.N. Govt. Arts & Science College, Khammam, Telangana, India. During 21st & 22nd December, 2015. Spectral and Structural Investigations of undoped and Fe^{3+} ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Phosphor Materials
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
33. **International Conference** on "Science and Engineering of Materials For Future Needs" (ICSEMF-2015) S.R. & B.G.N. Govt. Arts & Science College, Khamman, Telangana, India. During 21st & 22nd December, 2015. XRD, FT- IR and SEM Studies of Mn^{2+} doped $CdO(PO_4)_2ZnO$ nanopowders.
Y. Nagabhaskara Rao, K. Satyavathi, **M. Subba Rao** and Sandhya Cole
34. Photoluminescence Properties of Undoped and Mn^{2+} ion Doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Phosphor Materials
M. Subba Rao, K. Satyavathi, Y. Naga Bhaskararao, K. Vijaya Babu, Sandhya Cole (Proceedings of the National Conference on Materials for Specific Applications Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, Telangana) 2016

35. Structural Properties Ti-doped $Zn_3(PO_4)_2ZnO$ nanocrystalline powders by Sol-gel technique
K. Satyavathi, **M. Subba Rao**, Y. Naga Bhaskararao, K. Vijaya Babu, Sandhya Cole
(Proceedings of the National Conference on Materials for Specific Applications Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, Telangana) 2016
36. Physical and Optical Properties of TiO_2 Doped Sodium Lead Alumino Borosilicate Glasses
K. Vijaya Babu, **M. Subba Rao**, K. Satyavathi, Y. Naga Bhaskararao, Sandhya Cole
(Proceedings of the National Conference on Materials for Specific Applications Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, Telangana) 2016
37. Structural And Morphological Studies of Cu(II) Ion Doped $CdOZn_3(PO_4)_2$ Nanopowder
Y. Naga Bhaskararao, K. Satyavathi, **M. Subba Rao**, K. Vijaya Babu, Sandhya Cole
(Proceedings of the National Conference on Materials for Specific Applications Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, Telangana) 2016.
38. **International Conference** on Recent Advances in Technology, Engineering and Science (ICRATES-2016) organized by C. Abdul Hakeem College of Engineering and Technology, Melvisharam, Vellore, Tamilnadu. (ICRATES'16) on 27 & 28th July-2016.
Structural and spectral investigations of undoped and Cr (III) ion doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Phosphor Materials.
M. Subba Rao, K. Satyavathi, Y. Naga Bhaskararao, K. Vijaya Babu, Sandhya Cole
39. National Seminar on "Advances in the synthesis of nanomaterials and their multi dimensional applications in Chemical & Bio-Sciences" Andhra Loyola College, Vijayawada, A.P. During 14th & 15th September, 2016. "Structural Properties Ti-doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline powders by Sol-gel technique'.
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskara Rao, and Sandhya Cole
40. Participated in **A Five-day Faculty Development Program** on "Recent advances in nanomaterials & Applications (RANA)" organized by Shri Vishnu Engineering College for Women, Dept. of basic Science, Vishnupur, Bhimavaram, A.P., during 3rd - 7th October 2016.
M. Subba Rao,
41. "Undoped and titanium doped $Zn_3(PO_4)_2ZnO$ nanopowders with structural and spectral Properties" at Two-Day National seminar on Energy & Ecology held at Sir C R Reddy Autonomous College, Eluru, A.P., during 4th -5th October-2016.
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskararao, Sandhya Cole
42. "Structural and Optical properties of molybdenum doped $Zn_3(PO_4)_2ZnO$ Nanocrystalline Composites" at 2nd A.P Science Congress (APSC-2016) organized by AP. Academy of Sciences, Amaravathi, Vijayawada, A.P., 2016.
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskararao, Sandhya Cole:
43. One day national seminar on "Materials Science and Technology (NAMASTE-2016)" organized by Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada, A.P., during 19th November 2016. **M. Subba Rao**
44. "Effect of MO dopant on optical and luminescent properties of $Zn_3(PO_4)_2ZnO$ Nanopowders " at DBT-MHRD, Gov. of India Sponsored National Seminar on Advances in Biomaterials & Characterization Techniques (ABCT-17) organized by Dept. of Physics, Andhra Loyola College (Autonomous) Vijayawada, A.P., during 20th and 21st January 2017.
K. Satyavathi, **M. Subba Rao**, Y. Nagabhaskararao, Sandhya Cole
45. **International Conference** on "Emerging Trends in Chemical, Pharmaceutical, Environmental Science & Technology" Dept. of Chemistry, Pithapur Rajah's Govt. College, Kakinada, Andhra Pradesh, India. During 24th & 25th January 2017. Spectroscopic Characterization of Fe^{3+} ion doped $Zn_3(PO_4)_2ZnO$ white light Nanophosphors.
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole

46. National Seminar on Human Rights: Trends Issues, Challenges in the Present Scenario Organized by SVKP College (IQAC) Markapur, During 22nd Feb 2017. **M. Subba Rao**
47. **International Conference** on "Material for the societal advancement with emphasis on Health and energy" Organized by the Department of Physics, PBSCAS, Vijayawada, Krishna University, during 22nd -23rd Feb 2017. Oral Presentation by **M. Subba Rao**, and Sandhya Cole
48. National Seminar on Recent Trends in Chemical Speciation, Kinetics and Nanomaterials (RTCSKN-2017) organized by Dept. of Inorganic & Analytical Chemistry, Andhra University, A.P., during 3rd and 4th March, 2017. Spectral and Photo luminescence Properties of undoped and Mn²⁺ Zn₃(PO₄)₂ZnO Nanocrystalline Phosphor Materials.
M. Subba Rao, K. Satyavathi, Y. Nagabhaskara Rao and Sandhya Cole
49. National Seminar on "Recent Advances in Materials Science" organized by Dept. of Physics, Andhra University, A.P., during 30th and 31st May, 2017. Seminar Attended
M. Subba Rao
50. A two day national seminar on "need and role of non-conventional Energy sources for sustainable future" for oral presentation held on 23rd and 24th January, 2018, Dept. of Physics, ANR College, Gudivada-521 301, **M. Subba Rao**
51. A national seminar on "Higher Education System in the Light of Re-organization of the states: Trends, Opportunities and Challenges" held on 11th March, 2018, Organised by A.P. Govt. College Teachers Association (AP-GCTA), **M. Subba Rao**
52. 'Meditation Techniques' Organized by the Acharya Nagarjuna University on 30-08-2008.
M. Subba Rao
53. 'Communicative skills' Organized by the Acharya Nagarjuna University on 23-10-2008.
M. Subba Rao