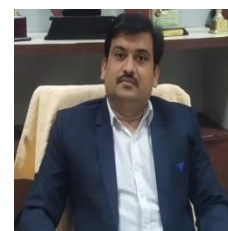


BIO-DATA



1. Name and full correspondence address: **Prof. J. LAXMAN NAIK**
2. Email(s) and contact number(s) : laxmannaikj@gmail.com & 8985279013
3. Institution: **Professor of Physics**, Principal, University College of science, saifabad, Osmania University-Hyderabad-500092, Telangana state India.
4. Appointment date - **02.01.2007** as a Asst. Professor
4. Research scholars: 08
Nano science

Refresher course/Orientation courses

S. No	Name of the course	Place	Duration	Sponsoring agency
1	Orientation course in research Methodology	KU, warangal	02.05.12 to 05.05.12	UGC, KU
2	Orientation course	OU, Hyd	26.11.12 to 24.12.12	UGC, OU
3	Refresher course	JNTU, Hyd	03.03.14 to 24.03.14	UGC, JNTU
4	Refresher course in Exp'tal Physics	HCU, Hyd	29.10.15 to 18.11.15	UGC, HCU
5	Orientation course for young Teachers	KU, Wgl	15.12.14 to 22.12.14	UGC, APSCHE

S. No	Name of the course	Place	Duration
6	Five days faculty development programme on Acceleration innovation in material science surface characterization	BMS Institute of Technology and management, Bangalore, India.	18 th to 22 nd , May, 2021
7	Faculty development programme on " <i>Application of Radiation and Radioisotopes in industry and Material Science</i> "	NIT, Waranagal, T.S.	26-30 th Nov. 2018

AWARDS:

S. No.	Name of the Award/ Honor	Awarding agency	Year
1	Young faculty award	Vinus international Foundation, madras	2016
2	Teaching Excellence	Marina Research lab, Madras	2017
3	Adarsh Vidya Saraswati Rashtriya Puraskar	The Global Management Council, Gujarath	2018
4	DK international award for best senior faculty award	DK international research lab, Madras	2019
5	Faculty Branding Award	EET CRS 8 th Faculty Branding Awards-20. Kolkata	2021

Academic Administrative Positions held:

Program officer, NSS	2008-2009, UGPC, Kakatiya University.
Hostel Joint Director (Men and Women)	2009-2010, UGPC, Kakatiya University.
Principal	2010-2012, UPGC, Kakatiya University, Wgl.
In-charge Head, Dept of Physics	2012-2014, Univ. Arts and Science College, Subedari, HNK.
Joint-Director for Admissions	2015 to 2017, Kakatiya University.
I/c Head, Dept. of Physics, Saifabad-OU	From 31.08. 2017 to 2019
Chairmen, BoS in Electronics, Dept. of Physics-OU	From 21.06.2021
Principal, University College of Science, Saifabad, Osmania University, HYD	From 03.11.2021

Member/ Participation in Bodies/ Committees on Education and national development:

Member	Governing Body Member (2008) for Sri Pavani Degree College, Godavarikani.
Member	Syllabus Revision Committee for Physics (2010), Satavahan University, Karimnagar.
Member	Departmental Committee (2012), Department of Physics, Kakatiya University, Wgl
Member	Governing Body Member (2014) for Chanakya Degree College, Niramal.
Member	Governing Body Member (2014) for Sri Vikas Degree College, Khammam.
Member	Departmental Committee (2014), Department of Physics, K.U, Wgl

Member	Departmental Committee (2015), Department of Physics, K.U, Warangal.
Member	Advisory Committee, Degree Online, DOST-2015-16, K.U, Warangal.
Member	Advisory Committee, Directorate of Admissions, KU (2015-16), Online Admission, KUPGCET-2016, Kakatiya University, Warangal.
Member	Online Admission For Degree Online, DOST-2015-16, K.U, Warangal.
Member	Advisory Committee, Directorate of Admissions, KU (2016-17), Online Admission, KUPGCET-2017, Kakatiya University, Warangal
Member	Advisory Committee, Directorate of Admissions, KU (2015-16), Online Admission, KUPGCET-2016, Kakatiya University, Warangal.
Member	Member in workload of UG/PG UCSS-OU-2017
Member	Member to solve the issues in the biotechnology-UCSS,OU-2017
Member	Member in anti-Ragging committee at UCSS -2018
Member	Member in constitution of Hostels & mess sub committee-2018
Member	Member in Departmental Committee, Physics-OU
Member	Member in Departmental Research committee from 2020
Member	Member, Board of Studies in Physics, Mahatma Gandhi University, Nalgonda.
Member	Member SPACE committee in Dept. of Physics, UCS-OU
Member	Governing body member for VASAVI DEGREE & PG COLLEGE, HYD
member	Member in CALENDER and DAIRY osmania University Hyderabad. 2021

PUBLICATIONS:

1. Experimental (FTIR and FT-Raman) and theoretical investigation of some pyridine-dicarboxylic acids, **J. Laxman Naik**, B. Venkatram Reddy, N. Prabavathi. J. Molecular Structure, 1100 (2015) 43-58, (Elsevier Publishers).
2. Molecular structure, vibrational analysis and first order hyperpolarizability of 4-methyl-3-nitrobenzoic acid using density functional theory, B. Venkatram Reddy, J. Prashanth, Jai Kishan Ojha, J. Laxman Naik, N. Prabavathi, G.Ramana Rao, Optics and Photonics Journal, 5 (2015) 91-107, Scientific Research Publishers, USA.
3. Molecular Structure and Vibrational analysis of 2,6-Pyridine di-carboxylic acids using Experimental and Theoretical methods. **J. Laxman Naik** and B Venkatram Reddy* , ISBN 9783297755558 (e-book) ICSEMF2015 proceedings.

4. Vibrational analysis and transferability of force constants of 3-Methyl Pyridine-2-carboxylic acid using DFT and IVP Methods. **J Laxman Naik** and B Venkatram Reddy*, ISBN 978329775558 (e-book) ICSEMF 2015 proceedings.
5. Molecular geometry, NBO analysis, Hyperpolarizability and HOMO-LUMO energies of 2-azido-1-phenylethanone using Quantum Chemical calculations- Materials Today (Elsevier Publishers)-3(2016) 3761-3769. **J Prashanth¹, J. Laxman Naik¹, Jai Kishan Ojha² and B Venkatram Reddy¹.**
6. Linear Mass attenuation coefficient of Ni based alloys at energies 42.0 KeV and 59.54 KeV -S. Thomas Reddy, Y. Sandeep, J. Laxman Naik and V.Nathanial, D.V. Krishna Reddy, Nov.2017, *IJRCS-2017*, ISSN: 2456-6683.
7. IR, Raman, NMR, IVP & DFT Studies of Dipicolinic and Quinolinic Acids, International Journal for Research in Applied Science & Engineering Technology (*IJRASET*) ISSN: 2321-9653; IC Value: 45.98; Volume 5 Issue XII December 2017. **J. Laxman Naik**
8. Vibrational Analysis and Inverse Vibrational Problem (IVP) of 4-Methyl Picolinic acid, 2017 *IJSRST* | Volume 3 | Issue 8 | Print ISSN: 2395-6011 | Online ISSN: 2395-602X Themed Section: Science and Technology. **J. Laxman Naik**
9. Structural and Impedance Studies of NiFe₂O₄ Nanofibers Synthesized by electro spinning technique, * Kamatam Hari Prasad, J. Laxman Naik, K. Sai Baba, Dr. B. Ramaiah, *IJRCS*, ISSN: 2456-6683. ISSN: 2456-6683, Special issue-8, feb-2018.
10. Structural and Impedance Studies of Nanocrystalline ZrO₂ of Nanoparticles by Polyol Method, *Kamatam Hari Prasad, Dr. J. Laxman Naik, K. Sai Baba, Dr. B. Ramaiah, *IJRCS*, ISSN: 2456-6683, Special issue-8, feb-2018.
11. Effect of ZnO on Physical and Optical Properties of Tellurite Lithium Borate Glasses, P.Naresh, B.Kavitha, S. Ashwini Priya, D.Sreenivasu, N.Narsimlu, Ch.Srinivas, J. Laxman Naik, K. Siva Kumar, *IJRCS*, ISSN: 2456-6683, *RAANM*, Special issue-8, feb-2018.
12. Molecular structure and vibrational analysis of 2,5-pyridine-dicarboxylic acid using experimental and theoretical methods, **J. laxman naik** and venkatram Reddy, *iop conf. series, materials science and engineering 360* (2018) doi.10.1088/1757-899x/360/1/01208.
13. Molecular Structure, Vibrational analysis, Hyperpolarizability and NBO analysis of 3-methyl-picolinic acid using SQM method. G.Ramesh, J. Laxman naik, B. Venkatram Reddy*, *Journal of Structural Chemistry* (Springer Publishers), journal of structural chemistry. Vol.59, No5, pp 1022-1031, 2018.
14. Normal coordinates analysis and Density functional theory of 2-(1-Piperazinyl) Ethanol, *IJIEM*, ISSN: 2348-4918, *ICTEMPS-2018*, **J. Laxman Naik***, B. Ramaiah and CH. Venkateswarlu.
15. Structural and Electrical conductivity studies of LiMnBO₃ Nanoparticles, K.Hari Prasad, A. Chandra Prakash, S. Vinoth, J. Laxman Naik, M. Shanmugam, V S K Prasad Rao, *AIP Conference Proceedings* 2005, 070009(2018); doi:10.1063/1.5050766, View online: <https://doi.org/10.1063/1.5050766> <http://aip.scitation.org/toc/apc/2005/1> Published by the American Institute of Physics.
16. Density Functional Theory (DFT) and First order hyperpolarizability, Thermodynamic Properties, HOMO-LUMO of Dinicotinic acid using experimental and theoretical

methods-**Laxmanaik* J**, Venkateswarlu, Rajashekar. K, Vinod kumar, ICRTASET - 2019 Proceedings / ISBN Number: 978-81-940463-7-0.

17. Effect of network modifier ZnO on the dielectric studies of lithium boro Tellurite glasses for battery and photonic device applications-Pallati Naresh, S. Aswini Priya, P. Murali Mohan, B. Kavitha, N. Narsimlu, D. Sreenivasu, Ch. Srinivas, J. Laxman Naik and K. Siva Kumar, AIP Conference Proceedings 2162, 020007 (2019); <https://doi.org/10.1063/1.5130217>.
18. Superparamagnetic and Photo catalytic Activity of $\text{CoCe}_{0.02}\text{Dy}_{0.02}\text{Fe}_{1.96}\text{O}_4$ Nanoparticles Synthesized by Citrate-Gel Auto combustion Technique-Mohd(<https://doi.org/10.33263/BRIAC94.164167>), Hashim, K. Chandra Babu Naidu, G.Helen Ruth Joice, J.Laxman Naik, D. Ravinder *, Biointerface Research in Applied Chemistry, ISSN2069-5837.volume9,issue4,4164-4167, Dated15.08.2019
19. Structural, morphological and electronic properties of cadmium cobalt ferrite Nanoparticles, Nehru Boda1, Kadiyala Chandra Babu Naidu, Khalid Mujasam Batoo, G.Helen Ruth Joice, J.Laxman Naik, Dachehalli Ravinder,* Bio-interface Research in Applied Chemistry, ISSN 2069-5837.10.33263/BRIAC101.752763. dated.21.11.2019.
20. Experimental and theoretical analyses on structural (monomer and dimeric form), spectroscopic and electronic properties of an organic semiconductor 2,6-dimethoxyanthracene, K Eswar Srikanth, K Ramaiah, D. Jagadeeswara Rao, K. Prabhakara Rao, J Laxman Naik, A Veeraiah & J Prashanth, ISSN 0973-1458 Volume 94, Number 8, Indian J Phys (2020) 94:1153-1167, DOI 10.1007/s12648-019-01562-z.
21. Normal Coordinate Analysis and Vibrational Analysis of Pyridine-Dicarboxylic Acids, **J. Laxman Naik***, M. Prasad, and Ch. Venkateshwarlu, J. Laxman Naik, et. al, International Journal of Engineering Research and Applications www.ijera.com.ISSN: 2248-9622, Vol. 10, Issue 7, (Series-I) July 2020, pp. 34-40.
22. Brief Review on the Effect of Synthesis Method and Doping on the Structure and Magnetic Properties of Zinc Ferrites K. Rajashekar¹, **J. Laxman Naik^{2*}**, M. Prasad³, Ch. Venkateshwarlu⁴, and K. Mahesh Kumar⁵, J. Laxman Naik, et. al. International Journal of Engineering Research and Applications, www.ijera.com, ISSN: 2248-9622, Vol. 10, Issue 7, (Series-I) July 2020, pp. 24-33.
23. A.C conductivity of cobalt substituted in copper ferrites by DSCM, Cite as: AIP Conference Proceedings 2269, 030113 (2020); <https://doi.org/10.1063/5.0022445> Published Online: 12 October 2020, Ch. Venkateshwarlu, M. Prasad, G. Vinod, Y. Sur esh Reddy, K. Rajashekar, B. Naresh, P. Ramesh, U. Dhasaratha, P. Neeraja, and **J. Laxman Naik**.
24. Investigation of Structural, Magnetic and Electrical Properties of Chromium Substituted Nickel Ceramic Nanopowders Rapolu Sridhar, D. Ravinder, J. Laxman Naik, K. Vijaya Kumar, N. Maramu and S. Katlakunta-DOI: <http://dx.doi.org/10.5772/intechopen.94941> (book chapter).
25. Magnetic Properties of Cu and Al doped nano $\text{BaFe}_{12}\text{O}_{19}$ Ceramics, G.Paniaaraj, Mohd. Hasim, Chandrababu Naidu, Helen Ruth Joice, J. Laxman Naik, D. Ravinder, and Ramakrishna Rao, Bio-interface Research in Applied Chemistry, volume 10, issue 3, 2020, 5455-5459, ISSN2069-5837.10.33263/BRIAC101.752763. Published on 9.3.2020.

26. Structural, Optical, Electrical and Magnetic Properties of Erbium (Er³⁺) Substituted Cu-Cd nano-ferrites, G. Vinod¹, K. Rajashekhar^{2a}, D.Ravinder^{2b}, **J. Laxman Naik^{1*}** accepted in journal of Materials in Electronics, Springer on 26.06.21.
27. Structure, Vibrational properties, NLO parameters, HOMO-LUMO and Thermodynamic Properties of Dinicotinic acid using experimental and DFT method, Bio-interface Research in Applied Chemistry, ISSN 2069-5837.10.33263/BRIAC101.752763 (accepted on 25th june, 2021), G. Ramesh¹, ch. Venkateswarlu, k. rajashekar, G. vinod, B. Naresh, G. Harikishan, **J. Laxmannaik^{*}**,

Conference/seminar/workshop Attended:

1. Participated National Workshop on “Recent Advances in Physics”-3rd-4th, March-2008- Kakatiya University, Warangal.
2. Participated National Work Shop on Nuclear energy & Applications, from March 21-22, 2009 organized by the Dept of Physics, NIT-Warangal.
3. Participated in the A Meet on Management, Informatics, Science and Technology (MIST-20019) at University P.G College, Godavarikhani on 6th March, 2009.
4. Attended the Two days Workshop on “Nano science and Nanotechnology” held during 3rd - 4th November 2010.
5. Attended the National Conference on Spectro-physics (NCONS), 7-8, March, 2012, Madras.
6. Workshop on “Research Methodology”, 2-5, 2012, Research Development Centre, Kakatiya University, Warangal.
7. National Conference on “Advance in materials and Science and Technologies (AMST-2012)”, organized by the Dept of Physics, Kakatiya University, during 19-21, November 2012.
8. National Workshop on “Recent trends in Device Materials” (RTDM-2013), NIT-Warangal, 8-10, Nov -2013.
9. National Conference on “Advanced Materials for Energy Applications -NCAMEA-2014, 31st January-1st February, Dept of Physics, Osmania University, Hyderabad.
10. International Conference on “Nano Science & Engineering Applications -2014 (ICONSEA-2014), organized by the JNTU, Hyderabad, during 26th -28th, June 2014.
11. Attended the 5th International Conference on “Perspectives in Vibrational Spectroscopy (ICOPVS-20014), 08-12 july 2014, organized by the Dept of Physics Mar Ivanios College, Trivendram, Kerala, India.
12. One day Work shop on “SPSS 22 APPLICATION”, 5th July-2014, organized by the Dept of Computer Science, Kakatiya University, Warangal.
13. Two day National Seminar on “Recent Advances in Physics” 6-7, November- 2014, organized by the Dept of Physics, Kakatiya University, and Warangal.
14. Participated in the National seminar on Recent Advances in Chemistry, Department of Physics, Kakatiya University, during 30-31st March, 2015.
15. Attended the XXVII IUPAP Conference on Computational Physics CCP2015, 2-5TH Dec-15 Indian Institute of Technology Guwahati, Assam, India.

16. Participated the International Conference on Science and Engineering of Materials for Future Needs (ICSEMF-2015) 21, 22 December 2015, Khammam, SR & BGNR Govt. College, Telangana.
17. Participated in the State level symposia on Raman application, during 5th march, 2016 at Govt. Degree College, Hanmakonda.
18. International Conference on Material science and technology (ICMST-2016) will be held from 5th -8th, June, 2016 at Kottayam, Kerala.
19. Participated in the Contemporary Academic Meet - VICAM 2016 organized by the Centre for Advanced Research and Design - CARD of Venus International Foundation on 9th July 2016 at Green Park Chennai.
20. Attended the National conference on “Recent advances in applied Nano materials”, 4-5, March, 2017 in University College of science, saifabad, Osmania University, Hyderabad.
21. Attended “A Three Day Faculty Development Work Shop on Concept based teaching and learning physics through experiments in under graduation education” (CTLP-17) on 2-4, March, 2017, NIT, Warangal (T.S).
22. Attended the two days National Workshop on “Thematic Workshop on Diffraction and Other Characterization Techniques in Materials Science” (April 12-13, 2017), Department of Physics, Kakatiya University, Warangal.
23. Attended the two days National Seminar on RTCCS-2017, Dept. of Chemistry, Kakatiya University, Warangal.
24. Attended the International conference on “recent advances in physical science and future challenges”, July 14-16, 2017 at Osmania University.
25. Attended the International Conference on ‘Innovations in Commerce and Science’ (ICICS - 2017) during 29th & 30th Nov, 2017 at Nizam college, Osmania University, Hyderabad.
26. Attended International Workshop on Advanced Materails held during the 19-21st December, 2019, Berhampur, India.
27. Participated in the “second national conference in applied Nano materials” (RAANM-18) during the 17-18th Feb-2018 at University College of science, Saifabad, Osmania University, Hyderabad.
28. Participated in “National conference on Materials for Energy and Environment - Development and Applications”-NCMfEE-2018, held at the Dept. of Physics, OU, during 29-30th April 2018.
29. Participated in the “International Conference on Trends in Engineering, Management, Pharmacy and Sciences” (ICTEMPS) on 21-08-2018 at Geethanjali College of Engineering and Technology (GCET) Hyderabad, Telangana, India.
30. Participated in *National work shop on Advanced Material Characterization Techniques - NWAMCT-2018, held on 31st August, 2018 at Dept. of Physics, Osmania University, Hyderabad, Telangana State*
31. Participated in “*International conference on Recent Developments in clean and safe Nuclear power Generation*”-ICNPG 2018, held on 3rd to 5th October at khairathbad, Hyd.
32. Participated in *National work shop on “Application of Radiation and Radioisotopes in industry and Material Science, during 26-30th Nov. 2018 at NIT, Waranagal, T.S.*
33. Participated in “National conference on recent trends in Nano Materails” organized by Dept. physics, Dr. B.R Ambethkar College, Hyd during 28th Feb, 2019.

34. Attended a one day workshop on Data communication in association of Indian association of physics teachers (IAPT-RC22) Hyderabad at Dept. of Physics, OU on 4th, April, 2019.
35. Participated in “National conference on advances in Nano and functional Materials- NCANFM-2019, held at the Department of Physics, UCS, Hyd, during 30-31st Jan 2019.
36. Attended “International webinar on recent advance in material science and Technology ‘on 26th, June 2020-IWRAMSAT-2020 at Dept. of Physics, Virapandianpatnam, Tiruchendur, Tamilnadu, India.
37. Participated three days international conference on Material science for social advancement (MSSA-2020) Conducted by UGC-UPEFAR Programme, Osmania University, Hyderabad.
38. Participated in an International Webinar on “Advanced Functional Materials” organized by Department of Chemistry & Physics, Nizam College, Osmania University, Hyderabad, Telangana State, India held during 18th - 21st August 2020.
39. Attended departmental conference on UG syllabus (Physics and Electronics) at dept. of Physics, UCS, OU, Hyd.
40. Participated the national webinar on recent trends in eco-friendly ferro electric materials for application
41. Attended the international conference on Advanced in materials science and technology (I CAM-2020) on 23-25 November, 2020 organized by India in association with Gyeongsang National University, Republic of Korea.
42. Attended the webinar five days faculty development programme on Acceleration innovation in material science surface characterization during 18th to 22nd, May, 2021-organized by department of chemistry, BMS Institute of Technology and management, Bangalore, India.
43. Percolated one day webinar National level webinar on Micro structural characterization of pozzolanic materials (MCPM-21) at dept. of physics, st. Joseph University, Dimapur, Nagaland.
44. Participated the webinar on “Emerging Facts of Material Science” on 29th May 2021, Department of Physics and Chemistry are jointly organized.
45. Participated the webinar on Second International e-conference on Physics of Materials & Nanotechnology (ICPN-2021) **October 28-30, 2021** Organized by Department of Physics, Mangalore University, Konaje, Mangalore, Karnataka, India.

Prof. J. LAXMAN NAIK

Principal