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Name & Designation	<p>Dr. Subodh Ganesanpotti Assistant Professor Department of Physics University of Kerala, Kariavattom, Thiruvananthapuram Kerala, India</p> 
Date of joining	15-02-2014
Educational Qualifications	<p>Ph.D in Physics, 2009 CSIR- NIIST, University of Kerala Thiruvananthapuram, Kerala, India. M. Phil. Photonics (2003-2004), Dept. of Optoelectronics, University of Kerala. M.Sc. Physics (2000-2003) – Dept. of Physics, University of Kerala.</p>
Research Areas	<p>Electromagnetic interference shielding materials, Microwave ceramics, Polymer-ceramic composites, Cold sintering process, Microwave antennas. Inorganic phosphors, Optical thermometry, Light emitting diodes, Optical properties of low dimensional materials.</p>
Research output	<p>Book Chapters: 4 Articles in SCI Journals: 86 Patent Granted: 1 (Indian) ICDD Powder Diffraction Files: 14 Citations: 1975: <i>h</i> index: 26 Google Scholar link: https://scholar.google.co.in/citations?user=wp6kTFwAAAAJ&hl=en&authuser=1 Orcid link: https://orcid.org/0000-0002-6784-094X No. of Ph Ds produced: 7 No. M. Phil Degrees Produced: 9 Postdoctoral Fellows Guided: SERB NPDF- 1, DST Women Scientist- 1</p>
Awards and Recognitions	<p>Selected as one of the 40 Inspiring teachers in south India by New Indian Express group (2017) Kerala State Young Scientist Award- 2016 Equipment grants from Alexander von Humboldt foundation-2014 (19, 845 Eur.) CSIR-SRA (under Scientist pool Scheme)- 2013 JSPS Fellowship 2011 Alexander von Humboldt Fellowship, 2009 Selected for Nobel Laureate’s meeting in physics 2008 held at Lindau, Germany. GATE- 2004 [97.4 percentile, All India Rank-70] Junior & Senior Research Fellowships (CSIR-India).</p>
Projects	<p>Completed</p> <ol style="list-style-type: none"> 1. “Development of polymer nanocomposite based microwave absorbers for L & S band frequencies” Kerala State council for Science Technology and Environment (KSCSTE) Kerala State Young Scientist Award Research Scheme 2020-23, Outlay- 41.32 Lakhs (PI). 2. “Development of cold sintered dielectrics for electronic applications” DST Woman Scientist Scheme 2019-22 Out lay 29 lakhs (Mentor). 3. Novel Double Perovskites Phase 2 ICDD Outlay 1800 USD (PI) 4. “Functional Magneto-dielectric Materials for Microwave Applications” KSCSTE SRS Scheme 2018-21 Outlay 22.32 lakhs (PI). 5. “Glass free magnetodielectric materials for LTCC applications” SERB 2016-19 Outlay 31.19 Lakhs (PI). 6. Rare earth-based oxides as High k materials for gate dielectric applications UGC-2015-17 Outlay 6 lakhs (PI).

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Projects	7. “Establishing Functional Materials Laboratory” KSCSTE -SARD 2017-20 Outlay-31.5 Lakhs (Coordinator) 8. “Novel Double Perovskites” International Centre for Diffraction Data (ICDD) 2016 Outlay-1000 USD (PI).
Professional Membership	Life Member Materials Research Society India Member American Chemical society (2019 onwards) Member American Ceramic society (2016 onwards) Life Member, Kerala Academy of Science Life Member Indian Institute of Metals Member Executive committee- MRSI Thiruvananthapuram Chapter Member JSPS Alumni Association
Academic Experience	Head, Department of Physics, University of Kerala (July 2016 July 2019) Member Academic Council, University of Kerala (July 2016 July 2019) Chairman PG Board of Studies in Physics University of Kerala (Nov. 2017- Nov.2020) Director, Centre for Academic and Industrial Collaboration (Aug. 2020- till date) Joint Director, Central Laboratory for Instrumentation and Facilitation (CLIF) (April 2021 till date)
Details of Ph.Ds Produced	Ph. D Awarded 1. Dr. Varsha Vishwanth (2018) Title of the Thesis “Inorganic/Organic-PVVA Nanocomposites for Optoelectronic and Photonic Applications”. 2. Dr. Sibi N (2021) Title of the Thesis: “Investigations on Natural Garnet Based Composites for Microwave Applications”. 3. Dr. Vilesh V L (2022) Title of the Thesis: “Investigations on Tellurium-based Double Perovskites and Their Composites for Microwave Applications” 4. Dr. Vidhya Lalan (2022) Title of the Thesis: Tailoring Electromagnetic Parameters towards Enhanced Microwave Attenuation in Advanced Materials Thesis Submitted 5. Ms. Sariga C Lal (2022) Title of the Thesis: “Activator Induced Photophysical Response and Multifunctionality in Tellurate Based Double Perovskites” (Co Supervisor) 6. Ms. Rakhi M. (2023) Title Thesis: “Modulating Dielectric Response of Garnet Structured Ceramics through Cation Substitution and Cold Sintering Process for Microwave Applications” 7. Amrithakrishnan B (2023) Title of the Thesis: “Polyhedral Substitution and Energy Transfer Assisted Photophysical Response in Multifunctional Garnet Structured Phosphors.” (Co Supervisor)
Patents	Indian Patent Application No: 202241066521, Patent No. 454107 Subodh G., Sibi K S, K. G. Gopchandran, Nithin J S and Amrithakrishnan B. “Double Perovskite Tellurates and the Use thereof in Fabrication of Cyan Emitting LEDs”

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List of Publications	<p>Book chapters</p> <p>4. Athira Rajan, Sibi K S, Subodh G* Cold Sintering: A Sustainable Alternative to Process Ferrites for Advanced Applications Ferrite Materials and Technologies” Chapter 6 Nova Science, 2023, ISBN 979-8-89113-086-9.</p> <p>3. Sariga C Lal, Jawahar I. N, Subodh G*, “Optical Thermometry Based on Eu³⁺ Activated Double Perovskites: State of the Art and Challenges” Horizons in World Physics. Volume 307, Nova Science, 2022, ISBN: 978-1-68507-549-1,</p> <p>2 Rick Uvic, G. Subodh, M. T. Sebastian “High k materials” Materials for Microwave Applications” Wiley 2017 ISBN:9781119208525,</p> <p>1.M.T. Sebastian, S. Ananthakumar, G. Subodh, J. Juuti and H. Jantunen Composite Electro-ceramics, Encyclopedia of Composites Wiley 2011 ISBN: 9780470128282.</p> <p>Publications in SCI Journals</p> <p style="text-align: center;">2023</p> <p>86. Jagadeesh M, Santha N Jawahar I. N. and Subodh G* Water-assisted densification and broadband dielectric response of cold-sintered CaCu₃Ti₄O₁₂-SnF₂ composites Ceram. Inter. 49 36600 (2023).</p> <p>85. Amrithakrishnan B, Jawahar I N, Subodh G* “Delving into the multifunctionality of Sr₂NaMg₂V₃O₁₂ via RE³⁺ substitution for dual-mode temperature sensing, latent fingerprint detection and security inks” Mater. Adv. 4, 3796 (2023).</p> <p>84. Amrithakrishnan B, Jawahar I N, Subodh G*Augmenting Cyan Emission in Vanadate Garnet via Dy³⁺Activation for Light Emitting Devices and Multi-Mode Optical Thermometry Dalton Transc. 52, 11705 (2023).</p> <p>83. Akhila M. J., Subodh G, Sibi K. S.,* Biju V* “Folic acid-derived luminescent carbon dots: Effect of Ag inclusion and switch ON sensing of sulfide ions” J. Mol. Liq. 122396 (2023).</p> <p>82. Rakhi M, Subodh G * “Water and SnF₂ Assisted Ultralow-Temperature Sintering of Mechanically Tough Y₃Fe₅O₁₂ Composites for Magneto-Dielectric Antennas” ACS Appl. Elect. Mater. 5, 3172–3183. (2023).</p> <p>81. Amrithakrishnan B, Jawahar I N, Subodh G* “Strategic Tuning of Photophysical Response in Polyhedral Framework of the Garnet Structure towards White Light Emitting Devices with Enhanced Color Rendering” Inorg. Chem. 62, 5744–5756 (2023)</p> <p>80. Sariga C Lal, Nima M, Jawahar I N, Subodh G* “Raman and photoluminescence intensity ratio: A tool for high temperature optical thermometry in Ba₂Y_{2/3}TeO₆: Eu³⁺ double perovskites” Ceram. Inter. 49, 19528-19532 (2023).</p> <p>79. Vidhya Lalan, Subodh G* “The smallest anions entrapped mayenite electride@graphitic carbon core-shells reinforced with superparamagnetic Fe₃O₄delivers unrivalled high-frequency microwave absorption” Chem. Engg. J. 461, 141857 (2023)</p> <p>78.Sariga C Lal, Jawahar I N, Subodh G* “A six-mode optical thermometry rooted from the distinct thermal behavior of SrLaLiTeO₆: Mn⁴⁺, Eu³⁺ double perovskites and their potential application in wavelength detection” J. Sci. Adv. Mater. Dev. 8 100544 (2023).</p> <p>77 Athira Rajan, Sibi K Solaman, Subodh G* “Design and Fabrication of Layered Electromagnetic Interference Shielding Materials: A Cost-Effective Strategy for Performance Prediction and Efficiency Tuning” ACS Appl. Mater. Interfaces, 15, 4, 5822 (2023).</p> <p>76. Rakhi M, Athira Rajan, Subodh G* “Cold-sintered NaCa₂Mg₂V₃O₁₂-Li₂MoO₄ microwave dielectrics for the design and fabrication of high-bandwidth antennas Mater. Res. Bull. 158, 112069 (2023).</p> <p style="text-align: center;">2022</p> <p>75. Santha N*, Jagadeesh M, Jawahar I. N. and Subodh G* “Ethylenediaminetetraacetic Acid (EDTA) Assisted Single Step Densification of Li₂TiO₃/PTFE Composites at Ultralow Sintering Temperature to Realize a High-Performance Ku-Band Antenna” ACS Appl. Electron. Mater. 4, 9, 4406 (2022).</p>
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74. Adersh V, Athira Rajan, **Subodh G*** MgFe_{1.98}O₄ – BaFe₁₂O₁₉ magneto-dielectric composites-based ferrite resonator antenna for super-high frequency applications **Ceram. Inter.** 48, 24531 (2022).
73. Sibi N, **Subodh G*** Garnet mineral reinforced silicone rubber based composites for flexible microwave substrates **Mater. Res. Bull.** 153, 11879 (2022).
72. Amrithakrishnan B, Jawahar I. N, **Subodh G*** “Insights into the crystal structure and photophysical response of Dy³⁺ doped Li₃Y₃Te₂O₁₂ for ratiometric temperature sensing” **J. Sci. Adv. Mater. and Devices.** 7, 100444 (2022).
71. Vilesh V. L, **Subodh G*** “Silicone Rubber- BaBiLiTeO₆ composites: Flexible Microwave Substrates for 5G Applications” **J. Electr. Mater.** 5, 3237–3247 (2022).
70. Sreelekshmi A. K, Sariga C Lal, **Subodh G*** “Probing Multifunctionality in NaGdMgTeO₆:Eu³⁺: A Double Layered Perovskite for Ratiometric Phosphor Thermometry and Solid-State Lighting” **J. Alloys and Compds** 905, 164138 (2022).
69. Vidhya Lalan, **Subodh G*** “The smallest anions, induced porosity and graphene interfaces in C12A7: e-electrides: A paradigm shift in electromagnetic absorbers and shielding materials” **J. Mater. Chem. C** 10, 969 (2022)
- 68 Amrithakrishnan B, Jawahar I N, **Subodh G*** Distortion and Energy Transfer Assisted Tunability in Garnet Phosphors **Critical Rev. Solid State Mater. Sci.** 47 621 (2022) (IF-11).
- 67 Amrithakrishnan B, Jawahar I N, **Subodh G*** “Vibrationally Induced Photophysical Response of Sr₂NaMg₂V₃O₁₂:Eu³⁺ for Dual mode Temperature Sensing and Safety Signs” **Adv. Photonics Res.** 3 2100159 (2022).
- 2021**
66. Amrithakrishnan B, Anusree S Priya, Jawahar I N, **Subodh G*** “Deciphering crystal structure and photophysical response of Bi³⁺ and Pr³⁺ co-doped Li₃Gd₃Te₂O₁₂ for lighting and ratiometric temperature sensing” **J. Alloys Compds.** 893 162246 (2021)
65. Vilesh V. L. Santha N, **Subodh G*** “Influence of Li₂MoO₄ and polytetrafluoroethylene addition on the cold sintering process and dielectric properties of BaBiLiTeO₆ ceramics” **Ceram. Inter.** 47 30756-30763 (2021)
- 64 Nima A. M., Vidhya L, **Subodh G*** “Green Route for the Synthesis of Fluorescent Carbon Nanoparticles from Circassian Seeds for Fe(III) Ion Detection” **J. Fluorescence** 31 1323 (2021)
63. Rakhi M, Santha , **Subodh G*** “Insights into the Microstructure and Dielectric Properties of Cold Sintered NaCa₂Mg₂V₃O₁₂ Based Composites” **Frontiers in Materials** 8 665033 (2021).
- 62 Athira R, Sibi K. S. **Subodh G*** “Cold Sintering: An Energy-Efficient Process for the Development of SrFe₁₂O₁₉–Li₂MoO₄ Composite-Based Wide-Bandwidth Ferrite Resonator Antenna for Ku-Band Applications” **ACS Appl. Electr. Mater.** 3, 2297–2308 (2021).
61. Sariga C. Lal, Jawahar I. N, **Subodh G*** “Deep-Red Emitting SrLaLiTeO₆: Mn⁴⁺ Double Perovskites: Correlation Between Mn⁴⁺-O²⁻ Bonding and Photoluminescence” **J. Am. Ceram. Soc** 104. 5293–5306. (2021).
60. Sibi N, **Subodh G*** “Magnetodielectric response of composites based on a natural garnet and spinel ferrites for sub-GHz wireless applications” **Ceram. Inter.** 47, 21404, (2021).
59. Nithin J. S, Mahesh A, Sibi K. S, **Subodh G*** “Insights into the crystal structure and multifunctional optical properties of A₂CdTeO₆ (A= Ba, Sr, Ca) double perovskites” **J. Alloys. Compds.** 865 158902 (2021).
- 58 Anooja J B, Vidhya L, **Subodh G*** “Synergy-induced tunable electromagnetic response and enhanced shielding efficiency in carbon black-and carbonyl iron-reinforced polydimethylsiloxane composites” **Mater. Res. Bull.** 142 111415 (2021).
57. Sariga C. Lal, Jawahar I. N, **Subodh G*** Distortion induced structural characteristics of Ba₂R_{2/3}TeO₆ (R = Y, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu) double perovskites and their multifunctional optical properties for lighting and ratiometric temperature sensing **Mater. Adv.** 2 1328 (2021).

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56. Vilesh V. L. **Subodh G*** “Crystal structure and phonon modes of disorder induced $\text{Ba}_2\text{Li}_{1-x}\text{Te}_{1+x}\text{O}_{5.5+\delta}$ ($x=0, 0.1, 0.2$) double perovskite based microwave dielectrics” **Mater. Res. Bull.** 137 111190 (2021).

2020

55. C.I. Muneera Varsha Viswanath, Subodh G. Zinc Phthalocyanine-Poly (Vinyl Alcohol) nanocomposite films: Low threshold optical limiting properties based on third-order nonlinear absorption response **Optics and Laser Techn.** 127 106168 (2020).

54 Nima A M, Amritha P, Vidhya L. **Subodh G*** “Green synthesis of blue-fluorescent carbon nanospheres from the pith of tapioca (*Manihot esculenta*) stem for Fe (III) detection” **J. Mater. Sci. Mater. Electr.** 23 21767 (2020).

53 Athira Rajan, Subodh G* “Crystal structure, microstructure, and broadband electromagnetic response of Al^{3+} -substituted $\text{Sr}_3\text{YCo}_4\text{O}_{10+\delta}$ double perovskites” **Ceram. Inter.** 46 25683 (2020).

52. Adersh V, Subodh G* Influence of B_2O_3 on the Broadband Electromagnetic Response of $\text{MgFe}_{1.98}\text{O}_4$ Ceramics **J. Electr. Mater.** 49 7316 (2020).

51. Santha N. Rakhi M. **Subodh G*** “Fabrication of high quality factor cold sintered MgTiO_3 -NaCl microwave ceramic composites” **Mater. Chem. Phys.** 255 123636 2020

50. Sibi N. Athira Rajan, **Subodh G*** Garnet Mineral Based Composites through Cold Sintering Process: Microstructure and Dielectric Properties” **J. Eur. Ceram. Soc.** 40 371-375 (2020).

49. Rakhi M. **Subodh G*** “Crystal structure, phonon modes, and bond characteristics of $\text{AgPb}_2\text{B}_2\text{V}_3\text{O}_{12}$ (B = Mg, Zn) microwave ceramics” **J. Am. Ceram. Soc.** 103, 3157 (2020).

48. Vidhya Lalan, **Subodh G*** “Broadband Electromagnetic Response and Enhanced Microwave Absorption in Carbon Black and Magnetic Fe_3O_4 Nanoparticles Reinforced Polyvinylidene fluoride Composites” **J. Electr. Mater.** 49, 1666 (2020).

47. P Sajan, CK Krishna Sagar, NG Divya, G Subodh, M Junaid Bushiri Room temperature Near-IR photoluminescence from ethylenediamine assisted solvo-hydrothermally grown wurtzite $\text{ZnS}:\text{Nd}_2\text{O}_3$ system **Mater. Chem. Phys.** 257 123713 (2023).

2019

46. Sariga C. Lal, A.M. Aiswarya, K.S. Sibi, **G. Subodh***, “Insights into the structure, photoluminescence and Judd-Ofelt analysis of red emitting $\text{SrLaLiTeO}_6:\text{Eu}^{3+}$ phosphors” **J. Alloys Compds** 788 1300 (2019).

45. Varsha Viswanath, Sreeja Sreedharan Nair, G Subodh, CI Muneera Emission features, surface morphology and optical limiting properties of semiconducting Toluidine Blue O dye-poly (vinyl alcohol) nanocomposite architecture **SN Applied Sciences** 1 43 (2019)

44. Varsha Viswanath, Sreeja Sreedharan Nair, **G. Subodh***, C. I. Muneera* “Zinc oxide encapsulated poly (vinyl alcohol) nanocomposite films as an efficient third-order nonlinear optical material: Structure, microstructure, emission and intense low threshold optical limiting properties” **Mater. Res. Bull.** 2, 281–291 (2019).

43. Athira Rajan, Sikha L. Das, Sibi K. S, **Subodh G*** “Influence of Bi Substitution on the Microstructure and Dielectric Properties of $\text{Gd}_3\text{Fe}_5\text{O}_{12}$ Ceramics” **J. Electr. Mater.** 48, 1133, (2019).

42. Vidhya Lalan, Aparna P. N., K. P. Surendran, **Subodh G** “Room-Temperature Ferromagnetic $\text{Sr}_3\text{YCo}_4\text{O}_{10+\delta}$ and Carbon Black-Reinforced Polyvinylidene fluoride Composites toward High-Performance Electromagnetic Interference Shielding” **ACS Omega** 4, 8196–8206 (2019).

41. Anooja J. Babu, Dijith K. S, Surendran K. P., **Subodh G***, A simple strategy for flexible electromagnetic interference shielding: Hybrid $\text{rGO}@\text{CB}$ -Reinforced polydimethylsiloxane, **J. Alloys and Compds.** 807, 151678, (2019).

40. Vilesh V. L, Rukzana K, **Subodh G***, “Vibrational studies and microwave dielectric properties of $\text{Ca}_3\text{Te}_2\text{Zn}_3\text{O}_{12}$ ceramic with garnet structure” **J. Mater. Mater. Electr.** 30, 18936 (2019).

2018

39. Rakhi M. **Subodh G*** “Crystal structure and microwave dielectric properties of $\text{NaPb}_2\text{B}_2\text{V}_3\text{O}_{12}$ (B=Mg, Zn) ceramics” **J. Eur. Cer. Soc.** 38 4962 (2018).

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38. Sibi N, Induja I. J., K. P. Surendran, **Subodh G***, “Natural garnet reinforced high density polyethylene composites for sustainable microwave substrates” **Mater. Res. Bull.** 106 478 (2018).

37. Sariga C. Lal, Vidhya Lalan, **Subodh G***. Structural Characterization of B-Site Ordered $Ba_2Ln_{2/3}TeO_6$ (Ln = La,Pr, Nd, Sm, and Eu) Double Perovskites and Probing its Luminescence as Eu^{3+} Phosphor Hosts, **Inorg. Chem.** 57 6226-6336 (2018).

36. Vilesh V. L., **Subodh G*** “Crystal Structure, Phonon Modes and Dielectric Properties of B Site Ordered $ABiLiTeO_6$ (A= Ba, Sr) Double Perovskites Cer. Inter. 44 12036–12041 (2018).

2014-2017 (University of Kerala)

35. Sariga C. Lal, Athira Rajan, **Subodh G*** “Crystal Structure and Luminescence Properties of rare Earth Doped $Ba_2Bi_{2/3}TeO_6$ Double Perovskites”, **Materials Today Proceedings** 4, 4396 4402 (2017).

34. Vilesh V. L., **Subodh G***, “Crystal Structure and Dielectric Properties of $BaANaTeO_6$ (A = Bi,La) Double Perovskites” **Ceram. Inter.** 43 (15), 12718- 12723 (2017) .

33. N. Sibi, **G. Subodh***, “Structural and Microstructural Correlations of Physical Properties of Natural Almandine-Pyrope Solid Solution: Al70Py29” **J. Elect. Mater.** 46 (12), 6947 (2017).

32. Amrithakrishnan B., **Subodh G***, “Crystal Structure and optical properties of B site Ordered $ALaLiTeO_6$ (A = Ba, Sr) ceramics” **Mater. Res. Bull.** 93,177–182 (2017).

31. M. Rakhi & **Subodh G*** “Rare Earth Titanate-silicates for High k Gate Dielectric Applications” **Ceram. Inter.** 42, 10886 (2016).

30. PS Krishnaprasad, P Mohanan, G Subodh, MT Sebastian, MK Jayaraj A novel $Sr_3Pb_6Ce_2Ti_{12}O_{36}$ ferroelectric thin film grown by pulsed laser ablation **Appl. Phys. A** 116, 199 (2014).

JSPS Postdoctoral Fellow at Kyoto University Japan (2011-2013)

29. **Subodh G**, T. Yajima, K. Nakano, Y. Nozaki, C. Tassel, Y. Kobayashi, H. Kageyama*, Superconductivity in $LaPd_2As_2$ with a Collapsed 122 Structure, **J. Alloys. Compd.** 613 370 (2014).

28. **Subodh G***, C. Tassel, N. Hayashi, G. Bouilly, Y. Goto, T. Yajima, Y. Kobayashi, and, H. Kageyama, Charge Disproportionation and Magneto-resistivity in a Double Perovskite with Alternate Fe^{4+} (d^4) and Mn^{4+} (d^3) Layers, **Eur. J. Inor. Chem.** 2576-2581 (2014).

27. **G. Subodh** T. Yajima, K. Nakano, Y. Nozaki, C. Tassel, Y. Kobayashi, and H. Kageyama*, $LaPd_2Sb_2$, a pnictide superconductor with $CaBe_2Ge_2$ type structure **J. Alloys. Compd.** 583 151–154 (2014).

26 C. Tassel, L. Seinberg, N. Hayashi, **Subodh G**, Y. Ajiro, Y. Kobayashi, H. Kageyama* Sr_2FeO_3 with Stacked Infinite Chains of FeO_4 Square Planes **Inor. Chem.** 52 6096 (2013)

25. Chameswary J, Dhanesh Thomas, **Subodh G**, Soumya Harshan, Jacob Philip, M. T Sebastian “Microwave dielectric properties of flexible butyl rubber–strontium cerium titanate composites” 124 3426 (2012).

24. Rick Ubbich, Steven Letourneau, S Thomas, Subodh G, MT Sebastian “Re-Examination of the Structure of $Sr_2(MgTe)O_6$ Double Perovskite **J. Aus. Ceram. Soc.** 47 49 (2011).

Alexander von Humboldt Fellow at University of Stuttgart, Germany (2009-10)

23. R. Ubbich*, Steven Letourneau, S. Thomas, **G. Subodh** and M. T. Sebastian, “Influence of Sr substitution on the structure microstructure and microwave dielectric properties of $Ca_{1-x}Sr_xMgTeO_6$ ceramics”, **Chem. Mater.** 22 4572-4578 (2010).

22 L. Burianova, S. Panos, M C Stennett, A R West, Subodh G, M T Sebastian, S. Kamba Piezoelectric and ferroelectric properties of new $Pb_9Ce_2Ti_{12}O_{36}$ and lead-free $Ba_2NdTi_2Nb_3O_{15}$ ceramics **J. Electroceram.** 25 116-121 (2010).

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21. R. Ubic*, **G. Subodh**, Prediction of Lattice constants in orthorhombic perovskites, *J. All. Comp.* 488 374-79, (2009).

20. **G. Subodh**, V. Deepu, P. Mohanan M. T. Sebastian*, Dielectric Response of High permittiviity Polymer ceramic Composite with Low Loss tangent, *Appl. Phys. Lett.* 9 062903 (2009).

Selected Publications as Ph. D student at CSIR-NIIST, Trivandrum

19. A. Dias*, **G. Subodh**, M. T. Sebastian, and R. L. Moreira, Vibrational spectroscopistudy of $\text{Sr}_2\text{ZnTeO}_6$ double perovskites, *J. Raman. Spectr.* 41,70206, (2010).

18. R. Ubic, * **G. Subodh**, M. T. Sebastian, D. Gout, and T. Proffen, "Crystal Structure of $\text{Sr}_{0.4}\text{Ce}_{0.4}\text{TiO}_3$ Ceramics", *Chem. Mater.* 21,4706-10,(2009).

17 S. Kamba*, M. Savinov, O. Tkáč, Ch. Kadlec, S. Veljko, E. John, **G. Subodh**, M. T. Sebastian, F. Laufek, V. Bovtun, J. Pokorny, J. Petzelt, Quantum Paraelectric and Ferroelectric Properties in novel $\text{Sr}_{9-x}\text{Pb}_x\text{Ce}_2\text{Ti}_{12}\text{O}_{36}$ ($x=0-9$) ceramic system, *Chem. Mater.* 21, 811, (2009).

16. **G. Subodh**, V. Deepu P. Mohanan, M. T. Sebastian*, Dielectric response of $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{15}$ ceramic loaded polyethylene, *J. Phys. D. Appl. Phys.* 42, 225501 (2009).

15. R. Ubic*, **G. Subodh**, M.T. Sebastian, D. Gout, and T. Proffen, Effective Size of Vacancies in the $\text{Sr}_{1-3x/2}\text{Ce}_x\text{TiO}_3$ Superstructure, *Ceramic Transactions*, 204 177-86, (2009).

14. J. Honkamo, H. Jantunen*, **G. Subodh**, M. T. Sebastian, P. Mohanan, Tape Casting and Dielectric Properties of $\text{Zn}_2\text{Te}_3\text{O}_8$ -based Ceramics with Ultra-Low Sintering Temperature, *Int. J. of Appl. Ceram. Tech.* 6, 531-36 (2009).

13 **G. Subodh**, V. Dipu, P. Mohanan and M. T. Sebastian*, Polystyrene/ $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{15}$ composites For Microwave Substrate Applications, *Polym. Engg. Sci.* 49, 1218-24, (2009).

12.R. L. Moreira*, R. P. S. M. Lobo, **G. Subodh**, M. V. Jacob, M. T. Sebastian, and A. Dias, Microwave and infrared dielectric properties of $\text{Sr}_{1-x/2}\text{Ce}_x\text{TiO}_3$ ($x=0.154$ to 0.400) incipient ferroelectrics at cryogenic temperatures, *J. Phys. D. Appl. Phys.* 42, 75411-19 (2009).

11. R. Rejini, **G. Subodh** and M. T. Sebastian*, $\text{Ca}_4\text{La}_2\text{Ti}_5\text{O}_{17}$: A novel low loss dielectric ceramics in the $\text{CaO-La}_2\text{O}_3$ - TiO_2 system, *J. Mater. Sci. Mater. Electr.* 19, 1153-55 (2008).

10. A. Dias, **G. Subodh**, M. T. Sebastian, M. M. Lage and R. L. Moreira*, Vibrational studies and microwave dielectric properties of A-site substituted tellurium-based double perovskites, *Chem. Mater.* 20, 4347 (2008).

9. R. Ubic*, **G. Subodh**, M.T. Sebastian, D. Gout, and T. Proffen, Structure of compounds in the $\text{Sr}_{1-3x/2}\text{Ce}_x\text{TiO}_3$ Homologous Series, *Chem. Mater.* 20, 3127-33 (2008).

8. **G. Subodh** and M. T. Sebastian*, Microwave Dielectric Properties of ATe_3O_8 (A=Sn, Zr) Ceramics, *Jpn. J. Appl. Phys.* 47, 7943-46 (2008).

7.**G. Subodh**, M. V. Manjusha, J. Philip and M. T. Sebastian*, Thermal Properties of PTFE/ $\text{Sr}_2\text{Ce}_2\text{Ti}_5\text{O}_{16}$ Polymer Ceramic composites, *J. Appl. Polm. Sci.* 108, 1716 (2008).

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<p style="text-align: center;">Reviewer</p>	<p>Advanced Functional Materials Chemical Engineering Journal Chemistry of Materials Langmuir Journal of Materials Chemistry C ACS Omega RSC Advances Journal of Physical Chemistry C Journal of Materials Science ACS Sustainable Chemistry and Engineering ACS Applied Materials and Interfaces ACS Applied Nanomaterials Dalton Transactions Journal of American Ceramic Society Journal of Applied Physics Materials Chemistry and Physics International Journal of Applied Ceramic Technology Materials Science and Engineering B Material Research Bulletin Journal of Luminescence Journal of Electronic Materials Composite Part B Engineering Journal of European Ceramic Society Journal of Magnetism and Magnetic Materials Journal of Physics D Applied Physics Materials Research Express Journal of Alloys and Compounds Optical Materials Journal of Physics and Chemistry of Solids Nanotechnology Journal of Advanced Dielectrics European Journal of Inorganic Chemistry Materials Advances Scientific Reports Journal of Raman Spectroscopy Journal of Physics and Chemistry of Solids AIP Advances</p>

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