LIST OF PUBLICATIONS

1. Barium Rare Earth Hafnates: Synthesis, Characterization and Potential use as substrates for YBCO superconductors
   Asha M. John, R.Jose, J.Kurian, P.K.Sajith and J.Koshy

2. Synthesis and Characterization of nanoparticles of Ba$_2$EuHfO$_{5.5}$: A new complex perovskite ceramic oxide
   Asha M. John, R. Jose, J. James, R. Divakar and J. Koshy
   Mater. Lett. (In press), USA.

   Asha M. John, R. Jose and J. Koshy

4. Synthesis of nanoparticles of barium lanthanum hafnium oxide by a modified combustion process
   Asha M. John, R. Jose, and J. Koshy
   (Communicated-2001), USA.

5. Superconducting YBCO ($T_c(0) = 92$ K) and Bi-2223 ($T_c(0) = 110$ K) thick films on Ba$_2$LaHfO$_{5.5}$: A new perovskite ceramic substrate
   Asha M. John, R. Jose, M. A. Ittyachen and J. Koshy
   (Communicated-2001), USA.

6. A new family of complex perovskites suitable as substrates for YBCO and BiSCCO superconductors
   J.Koshy, J. Kurian, K.S. Kumar, P.K. Sajith, M.J. Asha and R. Jose

7. REBa$_2$ZrO$_{5.5}$ (RE = La, Ce, Eu and Yb): Synthesis and characterization and their potential use as substrate for YBa$_2$Cu$_3$O$_{7.5}$ superconductors.
   R.Jose, Asha M. John, J.Kurian, P.K.Sajith and J. Koshy
8. Growth of YBCO-Ag thin film \((T_c(0) = 90 \, K)\) by pulsed laser ablation on polycrystalline \(\text{Ba}_2\text{EuNbO}_6\) ceramic substrate for YBCO
J.Kurian, Asha M. John, P.K.Sajith and J.Koshy, S.P.Pai and R.Pinto

9. Bi(2223) Thick films \((T_c(0) = 109 K)\) on \(\text{Ba}_2\text{GdNbO}_6\): a new perovskite ceramic substrate for BSCCO superconductors
J.Kurian, K.V.O.Nair, P.K.Sajith, Asha M. John and J. Koshy
*Appl. Supercond.*, 6, 259, (1998), USA.

10. Superconducting YBCO-Ag thin film \((T_c(0) = 90 \, K)\) by pulsed laser deposition in polycrystalline \(\text{Ba}_2\text{NdNbO}_6\): A novel substrate for YBCO film
J.Kurian, Asha M. John, P.K.Sajith, J.Koshy, S. P.Pai and R.Pinto

11. Superconducting Bi (2223) films \([T_c(0) = 110 \, K]\) by dip coating on \(\text{LaBa}_2\text{ZrO}_{5.5}\): A newly developed ceramic substrate.
R.Jose, Asha M. John, J. James, K. V. O. Nair, K. V. Kurian and J.Koshy

12. A new combustion process for nanosized \(\text{YBa}_2\text{ZrO}_{5.5}\) powders.
R.Jose, J. James, Asha M. John, D. Sundararaman, R. Divakar and J. Koshy

13. Novel ceramic substrate for high \(T_c\) superconductors
J. Koshy, J.Kurian, R. Jose, Asha M. John, P.K. Sajith, J. James, S. P. Pai and R. Pinto

14. Synthesis of nanosized \(\text{Ba}_2\text{LaZrO}_{5.5}\) ceramic powders through a novel combustion route.
R. Jose, J. James, Asha M. John, R. Divakar and J. Koshy

15. Synthesis and Characterization of nanoparticles of \(\text{Ba}_2\text{EuZrO}_{5.5}\): A new complex perovskite ceramic oxide.
R. Jose, J. James, Asha M. John, R. Divakar and J. Koshy
16. A comparative study on in-situ grown YBCO and YBCO-Ag thin films by PLD on polycrystalline SmBa$_2$NbO$_6$ substrate.
J. Kurian, Asha M. John, P. R. S. Wariar, P. K. Sajith, and J. Koshy

17. Barium holmium zirconate, a new complex perovskite oxide: part I, Synthesis, characterization and potential use as substrate for high Tc superconductors,
R. Jose, Asha M. John, and J. Koshy
(Communicated-2001), USA.

R. Jose, Asha M. John, R. Divakar and J. Koshy
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