

List of publications (2009-2013)

No. Publication details (International)

1. **Rahul C. Kambale**, Woon-Ha Yoon, Dong-Soo Park, Jong-Jin Choi, Cheol-Woo Ahn, Jong-Woo Kim, Dae-Yong Jeong, Gwi-Yang Chung, Byung Chul Lee, and Jungho Ryu “Magnetolectric properties and magnetomechanical energy harvesting from stray vibration and electromagnetic wave by $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-Pb}(\text{Zr,Ti})\text{O}_3$ single crystal/Ni cantilever” **Journal of Applied Physics**, (2013), 113, 204108.
ISSN No. : 0021-8979 ; Impact factor : 2.168
2. Deepak Rajaram Patil, **Rahul C. Kambale**, Yisheng Chai, Woon-Ha Yoon, Dae-Yong Jeong, Dong-Soo Park, Jong-Woo Kim , Jong-Jin Choi, Cheol-Woo Ahn, Byung-Dong Hahn, Shujun Zhang, Kee Hoon Kim, and Jungho Ryu “Multiple broadband magnetolectric response in thickness-controlled Ni/[011] PMN-PZT single-crystal/Ni laminates” - **Applied Physics Letter**- (2013),103, 052907.
ISSN No. : 1077-3118; Impact factor : 3.844
3. Deepak Rajaram Patil, Yisheng Chai, **Rahul C. Kambale**, Byung-Gu Jeon, Kyongjun Yoo, Jungho Ryu, Woon-Ha Yoon, Dong-Soo Park, Dae-Yong Jeong, Sang-Goo Lee, Jeongho Lee, Joong-Hee Nam, Jeong-Ho Cho, Byung-Ik Kim, and Kee Hoon Kim “Enhanced Giant Magnetolectric Coupling in Multiferroic Laminates with Anisotropic Piezoelectric Properties”- **Applied Physics Letter**, (2013), 102, 062909.
ISSN No. : 1077-3118; Impact factor : 3.844
4. **Rahul C Kambale**, Deepak Patil, Jungho Ryu, Yi Sheng Chai, Kee Hoon Kim, Woon Ha Yoon, Dae Yeong Jeong, Dong-Soo Park, Jeong Woo Kim, Jong Jin Choi and Cheol-Woo Ahn “Colossal magnetolectric response of PZT thick film on Ni substrate with conductive LaNiO_3 electrode” **Journal of Physics D: Applied Physics**, (2013), 46, 092002.
ISSN No. : 0022-3727; Impact factor : 2.544
5. Kambale R.C. , Song K.M., Hur N “Dielectric and magnetolectric properties of $\text{BaTiO}_3\text{-CoMn}_{0.2}\text{Fe}_{1.8}\text{O}_4$ particulate (0-3) multiferroic composites” **Current Applied Physics** (2013), 13, 562-566.
ISSN No. : 1567-1739, Impact factor : 1.9
6. **R. C. Kambale**, Dae-Yong Jeong, Jungho Ryu “Current Status of Magnetolectric Composite Thin/Thick Films” **Advances in Condensed Matter Physics**, (2012), 824643, 15 pages.
ISSN No. : 1687-8108; Impact factor : 1.158

7. **Rahul. C. Kambale**, K. M. Song, C. J. Won, K. D. Lee and N. Hur “Magnetic and magnetostrictive behavior of Dy³⁺ doped CoFe₂O₄ single crystals grown by flux method” **Journal of Crystal Growth**, (2012), 340, 171–174.
ISSN No. : 0022-0248; Impact factor : 1.726
8. C. J. Won, **R. C. Kambale** and N. Hur “Magnetic and transport properties of Ni₂MnGa-BaTiO₃ metal-insulator particulate composite with percolation threshold” **Journal of Alloys and Compounds**, (2011), 509, 6969–6972.
ISSN No. : 0925-8388; Impact factor : 2.289
9. M. S. Khandekar, **R.C. Kambale**, S. S. Latthe, J. Y. Patil, P.A. Shaikh, N. Hur and S. S. Suryavanshi “Role of fuels on intrinsic and extrinsic properties of CoFe₂O₄ synthesized by combustion method” **Materials Letters** (2011),65, 2972–2974.
ISSN No. : 0167-577X; Impact factor : 2.307
10. M. S. Khandekar, **R.C.Kambale**, J. Y. Patil, Y. D. Kolekar and S. S.Suryavanshi “Effect of calcination temperature on the structural and electrical properties of cobalt ferrite synthesized by combustion method” **Journal of Alloys and Compounds** (2011),509, 1861–1865.
ISSN No. : 0925-8388; Impact factor : 2.289
11. **R. C. Kambale**, K. M. Song, Y. S. Koo and N. Hur “Low temperature synthesis of nanocrystalline Dy³⁺ doped cobalt ferrite: structural and magnetic properties” **Journal of Applied Physics**, (2011), 110, 053910.
ISSN No. : 0021-8979; Impact factor : 2.168
12. **R. C. Kambale**, Y. A. Park, K. Y. Rajpure, S. S. Suryavanshi and N. Hur “Studies on dielectric and magnetic properties of Co-Mn ferrite and BZT ferroelectric particulate ME composites” **Journal of the Korean Physical Society**, 2011, 59, 1-6.
ISSN No. : 0374-488 ; Impact factor : 0.478
13. N.D.Chaudhari, **R.C.Kambale**, J. Y. Patil, S.R.Sawant and S.S.Suryavanshi “Studies on Initial permeability and loss factor in Ni-Zn ferrites synthesized by oxalate precursors” **Materials Research Bulletin** (2010), 45, 1713–1719.
ISSN No. : 0025-5408 , Impact factor : 2.105

14. N.D.Chaudhari, **R.C.Kambale**, D.N.Bhosale, S.S.Suryavanshi and S.R.Sawant “Thermal hysteresis and domain states in Ni-Zn ferrites synthesized by oxalate precursor method” **Journal of Magnetism and Magnetic Materials** (2010), 322, 1999–2005.
ISSN No. : 0304-8853; Impact factor : 1.78
15. P.A.Shaikh, **R.C.Kambale**, A.V.Rao and Y.D.Kolekar “Effect of Ni doping on structural and magnetic properties of $\text{Co}_{1-x}\text{Ni}_x\text{Fe}_{1.9}\text{Mn}_{0.1}\text{O}_4$ Ferrite” **Journal of Magnetism and Magnetic Materials** (2010), 322, 718–726.
ISSN No. : 0304-8853; Impact factor : 1.78
16. P.A.Shaikh, **R.C.Kambale**, A.V.Rao and Y.D.Kolekar “Structural, magnetic and electrical properties of Co-Ni-Mn ferrites synthesized by co-precipitation method” **Journal of Alloys and Compounds** (2010), 492, 590–596.
ISSN No. : 0925-8388; Impact factor : 2.289
17. **R.C.Kambale** , P.A.Shaikh , K.Y.Rajpure , P.B.Joshi and Y.D.Kolekar “Studies on structural and dielectric properties of CMFO ferrite and BZT ferroelectric magnetoelectric composites” **Integrated Ferroelectrics**, (2010), 121, 1–12,
ISSN No. : 1058-4587; Impact factor : 0.3
18. **R.C.Kambale**, P.A.Shaikh, Y.D.Kolekar, C.H.Bhosale and K.Y.Rajpure “Studies on dielectric and magnetoelectric behavior of 25 % CMFO ferrite and 75 % BZT ferroelectric multiferroic magnetoelectric composites” **Materials Letters** (2010), 64, 520–523.
ISSN No. : 0167-577X; Impact factor : 2.307
19. **R.C.Kambale**, N.R.Adhate, B.K.Chougule and Y.D.Kolekar “Magnetic and dielectric properties of mixed spinel Ni-Zn ferrites synthesized by citrate- nitrate combustion method” **Journal of Alloys and Compounds** (2010), 491, 372–377.
ISSN No. : 0925-8388; Impact factor : 2.289
20. **R.C.Kambale**, P.A.Shaikh, C.H.Bhosale, K.Y.Rajpure and Y.D.Kolekar “Studies on magnetic, dielectric and magnetoelectric behavior of $(x)\text{NiFe}_{1.9}\text{Mn}_{0.1}\text{O}_4$ and $(1-x)\text{BaZr}_{0.08}\text{Ti}_{0.92}\text{O}_3$ magnetoelectric composites” **Journal of Alloys and Compounds** (2010), 489, 310–315.
ISSN No. : 0925-8388; Impact factor : 2.289
21. **R.C.Kambale**, P.A.Shaikh, N.S.Harale, V.A.Bilur, C.H.Bhosale, K.Y.Rajpure and Y.D.Kolekar “Structural and magnetic properties of $\text{Co}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$ ($0.0 < x < 0.4$) spinel ferrites synthesized by combustion route” **Journal of Alloys and Compounds** (2010), 490, 568–571.
ISSN No. : 0925-8388; Impact factor : 2.289

22. M.M. Mallapur, P.A. Shaikh, **R.C. Kambale**, H.V. Jamadar, P.U. Mahamuni, B.K. Chougule "Structural and electrical properties of nanocrystalline cobalt substituted Nickel Zinc ferrite" **Journal of Alloys and Compounds** (2009),479, 797–802.
ISSN No. : 0925-8388; Impact factor : 2.289
23. J.S. Ghodake, **R.C.Kambale**, S. D. Kulkarni, S. R. Sawant and S. S. Suryavanshi "Complex permeability studies of Ni–Co–Zn ferrites synthesized by an oxalate precursor method " **Smart Materials and Structures** (2009),18, 125009.
ISSN No. : 0964-1726; Impact factor : 2.089
24. J.S. Ghodake, **R.C. Kambale**, S.V. Salvi, S.R. Sawant and S.S. Suryavanshi "Electric properties of Co substituted Ni–Zn ferrites" **Journal of Alloys and Compounds** (2009),486, 830–834.
ISSN No. : 0925-8388; Impact factor : 2.289
25. P.A.Shaikh, **R.C.Kambale**, A.V.Rao and Y.D.Kolekar "Comparative studies on structural and Electrical Properties of Lead Titanate Synthesized by Ceramic and Co-precipitation Method" **Journal of Alloys and Compounds** (2009), 486, 442–446.
ISSN No. : 0925-8388; Impact factor : 2.289
26. P.A.Shaikh, **R.C.Kambale**, A.V.Rao and Y.D.Kolekar "Studies on Structural and Electrical Properties of $\text{Co}_{1-x}\text{Ni}_x\text{Fe}_{1.9}\text{Mn}_{0.1}\text{O}_4$ Ferrite" **Journal of Alloys and Compounds** (2009), 482, 276–282.
ISSN No. : 0925-8388; Impact factor : 2.289
27. **R.C.Kambale**, P.A.Shaikh, C.H.Bhosale, K.Y.Rajpure and Y.D.Kolekar "The Effect of Mn substitution on the magnetic and dielectric properties of cobalt ferrite synthesized by autocombustion route" **Smart Materials and Structures** (2009), 18, 115028.
ISSN No. : 0964-1726; Impact factor : 2.089
28. **R.C.Kambale**, P.A.Shaikh, C.H.Bhosale, K.Y.Rajpure and Y.D.Kolekar "Dielectric properties and complex impedance spectroscopy studies of mixed Ni-Co ferrites" **Smart Materials and Structures** (2009), 18, 085014.
ISSN No. : 0964-1726; Impact factor : 2.089
29. **R.C.Kambale**, P.A.Shaikh, S.S.Kamble and Y.D.Kolekar "Effect of cobalt substitution on structural, magnetic and electric properties of nickel ferrite" **Journal of Alloys and Compounds** (2009), 478, 599-603.
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