

PROFILE



Name : **DR. SR. S. JESURANI**
Designation : Vice-Principal, Associate Professor
Department : Physics
Date of Birth : 08-05-1965
Date of Appointment : 12-03-1991

CONTACT DETAILS

Present Address : St. Anne's Convent,
Jayaraj Annapackiam College for Women
(Autonomous),
Periyakulam 625 601.

Permanent Address : St. Anne's Convent,
Jayaraj Annapackiam College for Women
(Autonomous),
Periyakulam 625 601.

Telephone No : 231382

Mobile No : 9445666890

Email : jesuphy@gmail.com

ACADEMIC

S. No.	Degree	University/Institution	Year of Completion
1.	B. Sc.	Holy Cross College, Nagercoil	1986
2.	M. Sc.	National College, Trichy	1990
3.	B. Ed.	Madurai Kamaraj University, Madurai	1992
4.	PGDCA	J. A. College for women, Periyakulam	2000
5.	M. Phil.	Mother Teresa Women's University, Kodaikanal	2006
6.	Ph. D.	SRM University, Kattankulathur	2012

Special Spiritual Course : Theology (Goa-1993)

Total Experience : 23 years

Area of Specialization/Interest : Advanced Ceramics

Professional Affiliation : Hostel Director (11 years)
SARWODEP ASST. Director (2 years)
NSS Program officer, (2 years)
YRC District coordinator (Theni) (2 years)
Vice-Principal, (2 years)
Member of Indian ceramic society
HOD (2011-2013)
Vice-Principal (At present)

RESEARCH PUBLICATIONS

PUBLICATIONS : International : 25

- Jesurani, S., Kanagesan, S., Velmurugan, R., Kumar, C and Kalaivani T., 2010, "Sol-gel combustion synthesis of giant Dielectric $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Nano powder," J. Manu. Eng., 5(2), pp 124-128 (2010).
- Jesurani, S., Kanagesan, S., Velmurugan, R., Thirupathi, C., Sivakumar, M., Kumar, C and Kalaivani, T., 2010, The effect of Er doping on the dielectric properties of calcium copper titanate, J. Mater. Sci. Eng., 4(8), pp. 74-79(2010)
- Jesurani, S., Kanagesan, S., Velmurugan, R., and Kalaivani, T., "A Comparative study of conventional sintering with microwave sintering of high dielectric calcium copper titanate nano powder synthesized by sol-gel route," Trans. Ind. Ceram. Soc., 70(2)79-85(2011)
- Jesurani, S., Kanagesan, S., Velmurugan, R., Thirupathi, C., Sivakumar, M., and Kalaivani, T., "Nanoparticles of the giant dielectric material, Calcium Copper Titanate from a sol-gel technique," Materials Letters., 65(2011)3305-3308 .
- Jesurani S, Kanagesan S, Kalaivani T, ashok K, Dielectric properties of Erbium doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Prepared by sol-gel self combustion method" Journal of Materials Science: Materials in Electronics(DOI 10.1007/s10854-011-0473-z).
- Jesurani, S, Kanagesan, S, Velmurugan, R, Kalaivani, T, Phase Formation and High Dielectric Constant of Calcium Copper Titanate using Sol-Gel Route" Journal of Materials Science: Materials in Electronics(DOI 10.1007/s10854-011-0468-9).
- Kanagesan, S., Jesurani, S., Velmurugan, R., and Kumar, C., 2010, "Synthesis of barium hexaferrite ($\text{BaFe}_{12}\text{O}_{19}$) using D-fructose as a fuel," J. Manu. Eng., 5(2), pp.133-136.
- Kanagesan, S., Jesurani, S., Velmurugan, R., and Kalaivani, T., 2010, "Synthesis of strontium hexaferrite using D-fructose as a fuel," Trans. Ind. Ceram. Soc., 69 (3), pp.199-202.
- Kanagesan, S., Kumar, C., Velmurugan, R., Jesurani, S., 2010, "Sol-gel combustion synthesis of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{-ZrO}_2$ ceramic composite," Mater. Sci. Poland., 28 (3), pp. 647-653.

- Kanagesan, S., Jesurani, S., Velmurugan, R., Kumar, C and Kalaivani, T., 2010, "Magnetic hysteresis property of barium hexaferrite using D-Fructose as a fuel," J. Mater. Sci. Eng., 4 (9), pp. 88-92.
- Kanagesan, S., Jesurani, S., Sivakumar, M., Thirupathi, C., and Kalaivani, T., "Synthesis and magnetic Properties of conventional and microwave calcined strontium hexaferrite powder," J Mater Sci: Mater Electron (DOI 10.1007/s10854-011-0460-4)(2011).
- Velmurugan, R, Kanagesan, S., Jesurani, S and Kalaivani, T., 2010, "Surface bioactivity of sol gel derived 3y-Tzp bioinert ceramic through hydroxylation technique using 5m H₃PO₄," Amer. J. Appl. Sci. 7(3), pp. 446-450.
- Velmurugan, R., Kanagesan, S., Jesurani, S and Kalaivani, T., 2010, "Surface bioactivity of sol gel derived 3y-Tzp bioinert ceramic through hydroxylation technique using 5M NaOH," Eur. J. Sci. Res., 41(3) pp.430-436.
- S. Kanagesan, S. Jesurani, M. Sivakumar, C. Thirupathi, T. Kalaivani, Effect of Microwave Calcinations on the Barium Hexaferrite Synthesized via Sol-Gel Combustion, Journal of scientific research 3(3)(2011)
- S. Kanagesan, S. Jesurani, R. Velmurugan, M. Sivakumar, C. Thirupathi, T. Kalaivani, Synthesis and Magnetic Properties of Conventional and Microwave Calcined Strontium Hexaferrite Powder, Materials Science and Applications, (2011)2:638-642
- S. Kanagesan, S. Jesurani, R. Velmurugan, M. Sivakumar, C. Thirupathi, T. Kalaivani, Synthesis and Magnetic Properties of Conventional and Microwave Calcined Barium Hexaferrite Powder, Journal of Materials Science: Materials in Electronics (2012)23:635-639
- S. Kanagesan; S. Jesurani, R. Velmurugan, T. Kalaivani, Ph.D"Preparation and Magnetic properties of Ni-Zr doped Barium Strontium Hexaferrite"J Mater Sci: Mater Electron (DOI 10.1007/s10854-011-0526-3)(2011).
- M. Sivakumar, S. Kanagesan, R. Suresh Babu, S. Jesurani, R. Velmurugan, C. Thirupathi, T. Kalaivani, Synthesis of CoFe₂O₄ powder via PVA assisted sol-gel process, J Mater Sci: Mater Electron (DOI 10.1007/s10854-011-0545-0)(2011).
- S. Kanagesan, S. Jesurani, R. Velmurugan, S. Prabu, T. Kalaivani, Study of structural, morphological and magnetic properties of Ba_{0.5}Sr_{0.5}Fe₁₂O₁₉ , J Mater Sci: Mater Electron, DOI 10.1007/s10854-011-0560-1(2011)
- S. Kanagesan, S. Jesurani, R. Velmurugan, S. Prabu and T. Kalaivani, Structural and magnetic properties of conventional and microwave treated Ni-Zr doped barium strontium hexaferrite, Materials research Bulletin 47(2012)188-192
- S. Kanagesan, S. Jesurani, R. Velmurugan, S. Prabu and T. Kalaivani, Study of Morphological and Magnetic Properties of Microwave sintered Barium Strontium Hexaferrite , J Mater Sci: Mater Electron Mater Sci: Mater Electron (DOI 10.1007/s10854-012-0620-1) (2012)..
- S.Kanagesan, S. Jesurani, R. Velmurugan, S. Prabu and T. Kalaivani, Magnetic properties of Ni-Co doped Barium Strontium Hexaferrite, J Mater Sci: Mater Electron Mater Sci: Mater Electron (DOI 10.1007/s10854-012-0631-y)(2012)

- S.Kanagesan, M.Hashim, S. Jesurani, T. Kalaivani, I.Ismail, M.S.E.Shafie Particle morphology and magnetic Properties of Ba_{0.5}Sr_{0.5}Fe₁₂O₁₉ powder calcined conventionally and by microwave heating, Journal of Alloys and Compounds 543(2012)49-52
- S. Jesurani, S.Kanagesan, K.Ashok, Microstructure and dielectrical responses of pure and cobalt doped CaCu₃Ti₄O₁₂ ceramics by sol-gel synthesis route, J Sol-gel Sci Technol DOI 10.1007/S 10971-012-2862-z(2012)
- S. Jesurani, S.Kanagesan, M.Hashim, I.Ismail, Dielectric properties of Zr doped CaCu₃Ti₄O₁₂ synthesized by sol-gel route, Journal of Alloys and Compounds 551(2013)456-462.
- S. Kanagesan, S. Jesurani, R. Velmurugan, S. Prabu and T. Kalaivani, Structural and magnetic properties of conventional and microwave treated Zn-Nb doped barium hexaferrite, Journal of Solid State Chemistry (Under Revision)

PRESENTATION (ABROAD)

- Presented a paper on “Nano particles of the Giant dielectric material Calcium, copper & titanate from Sol-gel technique” at the 8th International Conference on “Surfaces coating and Nano structured Materials – Nano Smat” at Granada, Spain from 22nd to 25th September, 2013.

Seminars/Conferences/Workshops Participated/ Presented (Last Five Years) – 14

RESOURCE PERSON

- St. Anne’s Noviciate Mudichur, Chennai – 18. 09.2010.
- St. Anne’s B. Ed College of Education, Periyakulam – 18. 04.2011.
- Sri Kaliswari College, Sivakasi –25.08.2012.
- Holy Cross College, Nagercoil – 19th & 20th December 2012.
- Higher Secondary School, Syllabus Consultancy physics subject expert Theni – 30.01.2013.

AWARDS

- “Best – Women Achiever” by Maya Academy, Theni for best Social Work to the Village.
- Best Paper presentation – Two times.