Allegato alla domanda di partecipazione
Curriculum formativo, didattico, scientifico e professionale del candidato

Dichiarazione sostitutiva di certificazioni
(Art. 46, D.P.R. 28 dicembre 2000 n. 445)
Dichiarazione sostitutiva dell'atto di notorietà
(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)
(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	8A -23
Informazioni aggiornate al	25/09/2024
Nome e Cognome	Vigneselvan Sivsubramaniyam

Si raccomanda di indicare con precisione tutti gli elementi valutabili ai sensi del bando di selezione (aggiungere o togliere righe secondo necessità).

Esperienza professionale

Periodo	**Ente**	**Principali attività e responsabilità**
11-10-2023-10-11-2024	DIEEE, UNICA	Postdoc- Research
01-12-2022-20-09-2023	PIETECH, TAMILNADU, INDIA	Assistant Professor, Dept. S&H, Teaching and Research
01-11-2021-31-07-2022	KIT, TAMILNADU, INDIA	Assistant Professor, Dept. S&H, Teaching and Research
01-06-2016-31-05-2018	GCT, TAMILNADU, INDIA	Teaching Research Assistant, Dept. S&H, Teaching and Research

Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)

Data	**Titolo / Principali tematiche**	**Ente**
27-08-2021	Ph.D.	Anna University, INDIA
22-05-2016	M.Phil	Bharathiar University, Coimbatore, India
17-06-2014	M.Sc	Bharathiar University, Coimbatore, India
26-05-2012	B.Sc	Bharathiar University, Coimbatore, India

Pubblicazioni / Convegni

1.Sivasubramaniyam, V.; Ramasamy, S.; Venkatraman, M.; Gatto, G.; Kumar**; Electrical Parameter Design and Optimization of Permanent Magnet Synchronous Machine Drive**. E3S Web of Conf. Volume 547, 2024. *International Conference on Sustainable Green Energy Technologies (ICSGET 2024)*
2. Sivasubramaniyam, V.; Ramasamy, S.; Venkatraman, M.; Gatto, G.; Kumar, A. **Carbon Nanotubes as an Alternative to Copper Wires in Electrical Machines: A Review**. *Energies* 2023, *16*, 3665.
3. S. Ramasamy, V. Sivasubramaniyam, G. Gatto and A. Kumar, "DC Link Voltage Control based Energy Management Strategy for Standalone Solar PV Fed Hybrid System," 2023 AEIT International Conference on Electrical and Electronic Technologies for Automotive (AEIT AUTOMOTIVE), Modena, Italy, 2023, pp. 1-6.
4. V. Manikandan, Ali Mirzaei , Iulian Petrila, S. Kavita, R. S. Mane, Juliano C. Denardin , Stefan Lundgaard , Saulius Juodkazis , J. Chandrasekaran and **S. Vigneselvan**, Effect of Vd-doping on dielectric, magnetic and gas sensing properties of nickel ferrite nanoparticles, **Journal of Materials**

Science: Materials in Electronics 31(2020), 16728–16736.

5. V. Manikandan, Ali Mirzaei , Iulian Petrila, S. Kavita, R. S. Mane, Juliano C. Denardin , Stefan Lundgaard , Saulius Juodkazis , J. Chandrasekaran and **S. Vigneselvan**, Effect of neodymium stimulation on the dielectric, magnetic and humidity sensing properties of iron oxide nanoparticles, **Journal of Materials Chemistry and Physics** 254 (2020), 123572.

6. V. Manikandan, Iulian Petrila, **S. Vigneselvan**, Ali Mirzaei, RS. Mane, Sang Sub Kim, J. Chandrasekaran, Enhanced humidity sensing properties of Fe-doped CeO_2 nanoparticles, **Journal of Materials Science: Materials in Electronics** 31 (2020), 8815–8824.

7. V. Manikandan, Ali Mirzaei, S. Sikarwar, BC. Yadav, **S. Vigneselvan**, A. Vanitha, J. Chandrasekaran, The rapid response and high sensitivity of a ruthenium-doped copper ferrite thin film (Ru–$CuFe_2O_4$) sensor, **Journal of RSC Advances** 10 (2020), 13611- 13615.

8. V. Manikandan, Iulian Petrila, **S. Vigneselvan**, RS. Mane, Bogdan Vasile, Raghu Dharmavarapu, Stefan Lundgaard, Saulius Juodkazis, J. Chandrasekaran, A reliable chemiresistive sensor of nickel-doped tin oxide (Ni-SnO_2) for sensing carbon dioxide gas and humidity, **Journal of RSC Advances** 10 (2020), 3796-3804.

9. V. Manikandan, Monika Singh, BC. Yadav, RS. Mane, **S. Vigneselvan**, Ali Mirzaei, J. Chandrasekaran, Room temperature LPG sensing properties of tin substituted copper ferrite (Sn-$CuFe_2O_4$) thin film, **Journal of Materials Chemistry and Physics** 240 (2020), 122265.

10. **S. Vigneselvan,** V. Manikandan, Iulian Petrila, A. Vanitha, J, Chandrasekaran, Effect of copper substitution on structural, optical and humidity-sensing characteristics of cerium oxide nanoparticles, **Journal of Physics and Chemistry of Solids** 136 (2020) 109173.

11. **S. Vigneselvan**, V. Manikandan, Iulian Petrila, A. Vanitha, J, Chandrasekaran, Effect of Tin Element on the Structural, Optical and Humidity Sensing Properties of Cerium Oxide Nanoparticles, **Journal of Electronic Materials** 48(2019) 1-12.

12. Venkatraman Manikandan, Ali Mirzaei, **Sivasubramaniam Vigneselvan**, Srikanti Kavita, Rajaram Sakharam Mane, Sang Sub Kim, Joseph Chandrasekaran, Role of Ruthenium in the Dielectric, Magnetic Properties of Nickel Ferrite (Ru–$NiFe_2O_4$) Nanoparticles and Their Application in Hydrogen Sensors, **ACS Omega** 4 (2019), 12919-12926.

13. V. Manikandan, S. Sikarwar, B.C. Yadav, **S. Vigneselvan**, R.S. Mane, J. Chandrasekaran, Ali Mirzaei, Rapid humidity sensing activities of lithium-substituted copper-ferrite (Li − $CuFe_2O_4$) thin films, **Journal of Materials Chemistry and Physics** 229 (2019), 448–452.

14. V. Manikandan, JH. Kim, A. Mirzaei, SS. Kim, **S. Vigneselvan**, M. Singh, Effect of temperature on gas sensing properties of lithium (Li) substituted ($NiFe_2O_4$) nickel ferrite thin film, **Journal of Molecular Structure** 1177(2019), 485-490.

15. V. Manikandan, V. Kuncser, Bogdan Vasile, S. Kavita, S. Vigneselvan, RS.Mane, Enhancement in magnetic and dielectric properties of the ruthenium-doped copper ferrite (Ru-CuFe2O4) nanoparticles, Journal of Magnetism and Magnetic Materials 476 (2019), 18-23.

16. V. Manikandan, Florin Tudorache, Iulian Petrila, RS. Mane, V. Kuncser, Bogdan Vasile, David Morgan, **S. Vigneselvan**, Ali Mirzaei, "Fabrication and characterization of Ru-doped LiCuFe2O4 nanoparticles and their capacitive and resistive humidity sensor applications", **Journal of Magnetism and Magnetic Materials** 474 (2019), 563-569.

17. V. Manikandan, I. Petrila, **S. Vigneselvan**, R. Dharmavarapu, S. Juodkazis (2018). "Efficient humidity-sensitive electrical response of annealed lithium substituted nickel ferrite (Li–NiFe2O4) nanoparticles under ideal, real and corrosive environments", **Journal of Materials Science: Materials in Electronics** 29 (2019), 18660-18667.

18. V. Manikandan, M. Singh, BC. Yadav, **S. Vigneselvan** (2018). "Room-Temperature Gas Sensing Properties of Nanocrystalline-Structured Indium-Substituted Copper Ferrite Thin Film", **Journal of Electronic Materials** 47 (2018), 6366-6372.

19. V. Manikandan, JC. Denardin, **S. Vigneselvan**, RS. Mane, Structural, dielectric and enhanced soft magnetic properties of lithium (Li) substituted nickel ferrite (NiFe2O4) nanoparticles", **Journal of Magnetism and Magnetic Materials** 465(2018), 634-639.

20. V Manikandan, R Marnadu, J Chandrasekaran, **S Vigneselvan**, RS Mane, Craig E Banks, Ali

Mirzaei(2022), “Inherent characteristics of ultra-photosensitive Al/Cu–CeO 2/p-Si metal oxide semiconductor diodes”, **Journal of Materials Chemistry C** 10 (2022), 1445-1457

Altre attività scientifiche

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED
ISCA sponsored International workshop on Materials for Energy, Environment and Biological Applications conducted at Kongunadu Arts and Science College, Coimbatore, April 04, 2018.
ISCA sponsored National level seminar on Recent trends in Astronomy and Astrophysics conducted at Kongunadu Arts and Science College, Coimbatore March 03, 2018.
ISCA sponsored International Symposium on Trends in Solar Cell Research conducted at Kongunadu Arts and Science College, Coimbatore, October 03, 2018.
ISCA sponsored National Seminar on Trends in Solar Cell Research Science and Technology for Nation Development conducted at Kongunadu Arts and Science College, Coimbatore, February 28, 2018.

Ulteriori informazioni pertinenti

Luogo, data e firma