

**For uniformity.....**

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 -Some sample data is also given for reference, kindly fill accordingly

Name	Dr. V.DEVABHARATHI			
Designation & Department	PROFESSOR			
Qualification	M.Sc.,M.Phil.,Ph.D.			
Area of Specialization	Thin Film Technology, Nanotechnology, Solar Cell Applications			
Date of Joining (KSR IET)	11-08-2011			
Experience (as on 18.02.2022)	Teaching:16	Industry:00	Others: 03	
Number of Papers Published	National Journals : 00		International Journals	11
Number of Papers Presented	National Conferences : 01		International Conferences	: 03
Books Published	National Publisher : 01		International publisher	00
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**Publications (International Journals)**

1. R. Anandarasu, S. Surendhiran, S. K. Krishna, **V. Devabharathi**, A. Balamurugan, Y. A. Syed Khadar, 2022, 'Monodisperse Ceria Nanoparticles Synthesized One Phase System by Hydro-solvothermal Method: Evaluation of its Anticorrosive Properties', International Conference on Advances in Materials, Computing and Communication Technologies AIP Conf. Proc. 2385, 020005-1 to 9
2. K. L. Palanisamy, K. Vignesh, **V.Devabharathi**, 2021, 'Superparamagnetic Iron Oxide Nanoparticles Synthesis by Carrier Oils Stabilization', Journal of Nanotechnology and Nano-Engineering, Vol. 07, pp. 18-23
3. Y.A. Syed Khadar, S. Surendhiran, V. Gowthambabu, S Halimabi Alias Shakila Banu, **V. Devabharathi**, A. Balamurugan, 2021 'Enhancement of corrosion inhibition of mild steel in acidic media by green-synthesized nano-manganese oxide' Materials today proceedings, Volume 47, Part 4, 2021, Pages 889-893.
4. A.Balamurugan, M.Sudha, S.Surendhiran, **V.Devabharathi**, Y.A. Syed Khadar, 2020, 'Effect of Calcination Process On Structural and Optical Properties of Tungsten Doped ZnO

Nanostructures', International Journal of Multidisciplinary, Vol. 05, pp. 21-26.

5. K. L. Palanisamy, **V. Devabharathi**, N Meenakshi Sundaram, 2015 ' Stability Analysis Of Carrier Oils Mediated Iron Oxide Nanoparticles And Its Photodegradation Studies' , Int. J. Chem. Ssci., Vol 13(1), 501-513.
6. **V.Devabharathi**, K.L.Palanisamy & N.MeenakshiSundaram 2014, 'Corrosion Inhibition Studies Of Mild Steel With Carrier Oil Stabilized Of Iron Oxide Nanoparticles Incorporated Into A Paint', International Journal of Chem Tech Research, vol.7, no.4, pp.1661-1664.
7. **V.Devabharathi**, K.L.Palanisamy & N.MeenakshiSundaram 2014, 'Influence of pH on the performance of ZnO nanocrystal based dye sensitized solar cells', Superlattices and Microstructures , vol.75, pp. 99-104.
8. **V.Devabharathi**, K.L.Palanisamy & N.MeenakshiSundaram 2014, 'Orange fruit mediated synthesis and characterisation of silver nanoparticles, International Journal of Chem Tech Research, vol.6, no.7, pp.3473-3477.

9. **V.Devabharathi**, K.L.Palanisamy & N.MeenakshiSundaram 2014, 'Role of annealing temperature and pH on structural and optical properties of ZnO nanocrystals by precipitation method' International Journal of Chem Tech Research, vol.6, No.14, pp.5485 -5489.
10. K.L.Palanisamy, N.MeenakshiSundaram, **V.Devabharathi** & P.Thangarasu, 2013 'Synthesis and characterization of olive oil mediated iron oxide nanoparticles' Digest Journal Of Nanomaterials And Biostructures, Vol. 8, No. 2, pp. 607 – 612. Impact factor 1.092
11. K.L.Palanisamy, **V.Devabharathi** & N.MeenakshiSundaram 2014, 'Investigation of carrier oil stabilized iron oxide nanoparticles and its antibacterial activity', 2014, African Journal of Biotechnology, vol.1, no.18, pp.1915-1919. Impact factor 0.654
12. K.L.Palanisamy, **V.Devabharathi** & N.MeenakshiSundaram 2013, 'The utility of magnetic iron oxide nanoparticles stabilized by carrier oils in removal of heavy metals from waste water' Impact: International Journal of Research in Applied, Natural and Social Sciences (Impact: IJRANSS) Vol. 1, no.4, pp. 15-22.
13. K.L.Palanisamy, **V.Devabharathi** & N.MeenakshiSundaram 2013, 'Water treatment studies of SPIONs treated with Olive Oil', Nano Vision, Vol.3, No.3, pp.161-167.
14. K.L.Palanisamy, **V.Devabharathi** & N.MeenakshiSundaram 2014, 'Antibacterial study of olive oil stabilized superparamagnetic iron oxide nanoparticles', International Journal of Phyto Pharmacy Research, Vol 5, no.1, 48-52.
15. K.L.Palanisamy, **V.Devabharathi** & N.MeenakshiSundaram 2014, 'Corrosion inhibition studies of mild steel with carrier oil stabilized iron oxide nanoparticles incorporated into a paint', International Journal of Chem Tech Research
16. K.L.Palanisamy, **V.Devabharathi** & N.MeenakshiSundaram 2014, 'stability assessment of olive oil and linseed oil stabilized iron oxide nanoparticles and photodegradation studies of olive oil stabilized iron oxide nanoparticles', International Journal of Chemical Sciences
17. A. Balamurugan, M. Sudha, S. Surendhiran, **V. Devabharathi**, Syed Khadar 2020 , 'Effect of calcination process on structural and optical properties of tungsten doped ZnO nanostructures', International Journal of Multidisciplinary, Vol. 5, No.5, pp. 15-22

### **Publications (National Journals)**

**NIL**

### **Publications (International Conferences)**

- 1.Palanisamy, KL, Devabharathi, V, Meenakshisundaram, N & Rajendran, V 2010, ‘Olive oil mediated synthesis and characterization of iron oxide nanoparticles’, Proceedings of International Conference on Nanomaterials and Nanotechnology, Published in Synthesis and Characterization of Nanostructured Materials, Ed. V. Rajendran, K.Saminathan, B. Hillebrands & K.E. Geckeler, Macmillan Publishers India Ltd., ISBN 023-033-193-9, pp. 311-316.
- 2.Palanisamy, KL, Devabharathi, V, Thangarasu, P, Meenakshisundaram N & Rajendran, V 2011, ‘Low temperature synthesis and characterization of Metal oxide nanoparticles’ Proceedings of ICNN, pp. 93
3. Maheswari, S, Thambidurai, M, Soundararajan, D, Mangalraj, D, Nataraj, D, Palanisamy, KL, Devabharathi, V, & Thangarasu, PT, 2010, ‘Preparation and Characterization of Nanocrystalline  $Zn_{1-x}Co_xO$  Thin Films Prepared by Sol-gel Method’, Proceedings of International Conference on Nanomaterials and Nanotechnology, Published in Synthesis and Characterization of Nanostructured Materials, Ed. V. Rajendran, K. Saminathan, B. Hillebrands & K.E. Geckeler, Macmillan Publishers India Ltd., ISBN 023-033-193-9, pp. 207-212.

### **Publications (National Conferences)**

**NIL**

### **Books /Instruction materials/monographs published**

<b>S.No</b>	<b>Title of the Book</b>	<b>Author(s)</b>	<b>Name &amp; Address of the Publisher</b>	<b>Year of Publishing</b>
<b>1.</b>	Engineering Physics	Dr.J.C.Kannan, Dr.V.Devabharathi & Dr.D.madhan	Charulatha Publications, 24, Thambaiah road, Chennai-33	<b>2019</b>

### **Funded Research Projects**

<b>S.No</b>	<b>Title of the Project</b>	<b>Name of the Funding Agency</b>	<b>Amount Sanctioned (Rs.)</b>	<b>Role</b>
<b>1.</b>	-	-	-	-

### **Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)**

<b>S. No.</b>	<b>Date</b>		<b>Topic / Title</b>	<b>Funding agency and Amount Sanctioned</b>
	<b>From</b>	<b>To</b>		
<b>1.</b>	-	-	-	-

### **Consultancy Activities (Industry)**

<b>S.No</b>	<b>Title of the Project</b>	<b>Name of the Company</b>
<b>1.</b>		

### **Training Offered**

### **Membership in Professional Bodies**

- Indian Society for Technical Education (ISTE) - Life Member

## Subject Links