

**DEPARTMENT OF PHYSICS**  
**Faculty Publication Details**

**Year 2017-2018**

S.No	Faculty Name	Title	Journal	Month/Year	ISSN NO	Copy of the Journal link
1	Dr.A. Muthuraja	Growth and characterization of Piperine (PPN) single crystal grown by slow evaporation solution growth technique	Materials Research Innovations	2018	<a href="#">ISSN: 1433-075</a>	<a href="https://www.tandfonline.com/toc/ymri20/current">https://www.tandfonline.com/toc/ymri20/current</a>
2	Dr.A. Muthuraja	Third Order Nlo and Other Properties of Benzil Doped Urea By Conventional Slow Evaporation Method	International journal of Advanced Research in Basic Engineering Sciences and Technology	2017	ISSN:2320-0693	<a href="https://www.citefactor.org/asearch">https://www.citefactor.org/asearch</a>
3	Dr. M. Shobana	‘Experimental and ab - initio study of the structural, electronic and vibrational properties of ZnTe’	Journal of Alloys and Compounds	2018	ISSN: 0925-8388	<a href="https://www.journals.elsevier.com/journal-of-alloys-and-compounds">https://www.journals.elsevier.com/journal-of-alloys-and-compounds</a>
4	Dr.G. Subalakshmi	Optical properties of Eu 3+ activated SrLa2O4 red-emitting phosphors for WLED applications’,	Journal of Materials Science- Materials in Electronics	2017	1573-482X	<a href="https://www.springer.com/journal/10854">https://www.springer.com/journal/10854</a>
5	Dr.G. Subalakshmi	‘Synthesis, Photoluminescence properties of Sr1.95Ba0.05CeO4:Eu 3+ for LED applications’	Journal of Materials Science	2017	1573-4803	<a href="https://www.springer.com/journal/10853">https://www.springer.com/journal/10853</a>

**Year 2018-2019**

S.No	Faculty Name	Title	Journal	Month/Year	ISSN NO	Copy of the Journal link
1	Dr. M. Shobana	‘Effect of cobalt doping on the structural, optical and magnetic properties of sol - gel derived ZnS nanocrystalline thin films and abinitio studies’	Thin Solid Films	2019	ISSN: 0040-6090	<a href="https://www.journals.elsevier.com/thin-solid-films">https://www.journals.elsevier.com/thin-solid-films</a>
2	Dr.G. Subalakshmi	‘Synthesis and photoluminescence properties of Sr0.95Ba0.05La2-xO4:xRE 3+ (RE=Eu, Er, Ce and Ho) for WLEDs application’	Journal of Alloys and Compounds	2018	ISSN: 0925-8388	<a href="https://www.journals.elsevier.com/journal-of-alloys-and-compounds">https://www.journals.elsevier.com/journal-of-alloys-and-compounds</a>
3	Dr.G. Subalakshmi	‘Investigations on Ho-TiO2 nanoparticles synthesized by precipitation method for optical applications’	Optik	2018	ISSN: 0030-4026	<a href="https://www.journals.elsevier.com/optik">https://www.journals.elsevier.com/optik</a>
4	Dr.G. Subalakshmi	‘Investigations on energy transfer and tunable luminescence spectra for single, co-doped and tridoped RE 3+ (RE 3+ =Dy 3+ , Sm 3+ and Eu 3+ ) activated Sr1.99Bi0.01CeO4 phosphors’	Optical material		ISSN: 0925-3467	<a href="https://www.journals.elsevier.com/optical-materials">https://www.journals.elsevier.com/optical-materials</a>
5	Dr.G. Subalakshmi	Aloysius Xavier lopez, G.Subalakshmi, ‘Synthesis and multicolour luminescence spectra of RE 3+ (RE 3+ =Eu 3+ , Sm 3+ , Dy 3+ , Eu 3+ /Sm 3+ /Dy 3+ ) doped BiLa2O4 phosphors’	Optik	2018	ISSN: 0030-4026	<a href="https://www.journals.elsevier.com/optik">https://www.journals.elsevier.com/optik</a>
6	Dr.G. Subalakshmi	Aloysius Xavier Lopez, Subalakshmi, G, ‘Synthesis and luminescence property of Bi 3+ and Dy 3+ ions doped MLa2O4 (M=Ba, Sr and Ca) phosphors for LEDs application’	Optik	2018	ISSN: 0030-4026	<a href="https://www.journals.elsevier.com/optik">https://www.journals.elsevier.com/optik</a>
7	Dr.G. Subalakshmi	‘Synthesis, structural, tunable-luminescence spectra and quenching behaviour of Sm3+ions activated Ba1-xBixTiO3 phosphors for LED applications’	Optik	2018	ISSN: 0030-4026	<a href="https://www.journals.elsevier.com/optik">https://www.journals.elsevier.com/optik</a>

**Year 2019-2020**

S.No	Faculty Name	Title	Journal	Month/Year	ISSN NO	Copy of the Journal link
1	Dr.A. Muniyappan	Cusp-like excitations sailing over the microtubules under the influence of various inhomogeneities	Journal of Critical Reviews	2020	ISSN 2394-5125	<a href="http://www.jcreview.com/">http://www.jcreview.com/</a>
2	Dr.A. Muniyappan	Excitations of solitary waves along the alpha helical protein molecules	The International Journal of Analytical and Experimental Modal	2020	0886-9367	<a href="http://www.ijaema.com/">http://www.ijaema.com/</a>
3	Dr. M. Shobana	'Structural, optical and magnetic properties of cobalt - doped ZnTe dilute magnetic semiconductors'	Journal of Materials Science: Materials in Electronics	2020	1573-482X	<a href="https://www.springer.com/journal/10854">https://www.springer.com/journal/10854</a>
4	Dr. V. Ratchagar	"Synthesis and characterization of Highly Efficient ZrO <sub>2</sub> Nanomaterials for Electrochemical Behaviour"	Journal of Superconductivity and Novel Magnetism	2020	1557-1947	<a href="https://www.springer.com/journal/10948">https://www.springer.com/journal/10948</a>
5	Dr. V. Ratchagar	"Enhanced Ferromagnetic Property at Room Temperature and Photocatalytic Efficiency of CdO/CeO <sub>2</sub> /PVP Nanocomposite"	Journal of Superconductivity and Novel Magnetism	2020	1557-1947	<a href="https://www.springer.com/journal/10948">https://www.springer.com/journal/10948</a>
6	Dr. V. Ratchagar	"Enrichment of Optical, Magnetic and Photocatalytic Properties in PVP Capped CdO/SnO <sub>2</sub> Nanocomposites Synthesized by Microwave Irradiation Method"	Journal of Materials Science: Materials in Electronics	2019	1573-482X	<a href="https://www.springer.com/journal/10854">https://www.springer.com/journal/10854</a>



