

Physics department Publication details-2022

Number of Publications in International Journal	Total Numbers	SCI	WOS	Scopus (Journals/conf. Proceedings/Book chapters)	Q1	Q2	Q3	Q4
Dr. Dhananjaya. N	10	10	10	Int. Journals	3	2	3	2
Dr. R. Lokesh								
Dr. C. Kavitha	1			Int. Journals	1			
Dr. Yashaswini	3			Int. Journals	1	2		
Dr. Ashwini K R								
Dr. Daruka prasad B	2			Int. Journals	1	1		
Dr. Basavaraj R B	1			Int. Journals	1			

Sl. No.	Name of the Teacher (s)	Title of Paper	Publication citation	Other Authors details	DOI Link
1	N Dhanajaya	Photocatalytic, shielding and cytotoxic properties of reduced graphene oxide and barium ferrite nanocomposite synthesized via green combustion method	Journal of Science: Advanced Materials and Devices Volume 7, Issue 3, September 2022, 100442	H.C. Manjunatha a, Y.S. Vidya b, K.N. Sridhar c, L. Seenappa a, B.Chinnappa Reddy d, S. Manjunatha e, A.N. Santhosh f, N. Dhananjaya g, V. Thirunavukkarasu h, B. Pavithra h, P.S.Damodara Gupta	https://doi.org/10.1016/j.jsamd.2022.100442
2	N Dhanajaya	Comparative study on photocatalytic degradation and sensor properties of Chonemorpha fragrans leaf extract assisted Mg _x Zn _{1-x} O (0 ≤ x ≤ 1) nanoparticles	Inorganic Chemistry Communications Volume 144, October 2022, 109827	N.P. Ambujakshi b, C.R. Ravikumar c, A. Naveen Kumar c	https://doi.org/10.1016/j.inoche.2022.109827
3	N Dhananjaya Yashaswini	LaAlO ₃ :Dy ³⁺ pervoskite for white light emitting phosphors suitable for display devices	J Mater Sci: Mater Electron, 33, 4400–4414 (2022).	33, 4400–4414 (2022).	https://link.springer.com/article/10.1007/s10854-021-07632-5

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4	N Dhananjaya	The role of deformations and orientations in an alpha ternary fission of Thorium	<i>NUCL SCI TECH</i> 33 , 67 (2022). https://doi.org/10.1007/s41365-022-01060-8	Mahesh Babu, A.V., Sowmya, N., Manjunatha, H.C. N. Dhananjaya	The role of deformations and orientations in an alpha ternary fission of Thorium Nuclear Science and Techniques (springer.com)
5	N Dhananjaya	Electrochemical, photoluminescence and intensity parameters of LaOCl: Dy ³⁺ for sensors and white light-emitting diode applications	Applied Surface Science Advances, Volume 9, June 2022, 100253	S.R. Yashodha, N. Dhananjaya, H.S. Yogananda, K. Vinutha, C.R. Ravikumar	https://doi.org/10.1016/j.apsadv.2022.100253
6	N Dhananjaya	Synthesis and characterization of Barium ferrite nano-particles for X-ray/gamma radiation shielding and display applications	Progress in Nuclear Energy Volume 147, May 2022, 104187	B. Chinnappa Reddy, Y.S. Vidya, H.C. Manjunatha, K.N. Sridhar, U. Mahaboob Pasha, L. Seenappa, B. Sadashivamurthy, N. Dhananjaya, B.M. Sankarsha, S. Krishnaveeni, K.V. Sathish, P.S. Damodara Gupta	https://doi.org/10.1016/j.pnucene.2022.104187
7	N Dhananjaya	Preparation and characterization of multifunctional Li ⁺ co-doped LaOCl: Eu ³⁺ for sensor, phosphor and catalytic applications	Inorganic Chemistry Communications Volume 139, May 2022, 109402	S.R. Yashodha, N. Dhananjaya, H.S. Yogananda, K. Vinutha, C.R. Ravikumar	https://doi.org/10.1016/j.inoche.2022.109402
8	N Dhananjaya	X-ray / gamma ray radiation shielding properties of α -Bi ₂ O ₃ synthesized by low temperature solution combustion	Nuclear Engineering and Technology Volume 54, Issue 3, March 2022, Pages 1062-1070	B. Chinnappa Reddy, H.C. Manjunatha, Y.S. Vidya, K.N. Sridhar, U. Mahaboob Pasha, L. Seenappa, B. Sadashivamurthy, N. Dhananjaya, K.V. Sathish, P.S. Damodara Gupta	https://doi.org/10.1016/j.net.2021.09.023

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		method			
9	N Dhananjaya	Rare earth activated bio synthesis of zinc aluminate for photocatalytic activity of dye	Materials Today: Proceedings Volume 49, Part 3, 2022, Pages 628-631	R. Venkatesh, L.S. Reddy Yadav, N. Dhananjaya	https://doi.org/10.1016/j.matpr.2021.04.534
10	N Dhananjaya	Green combustion synthesis of ZnAl ₂ O ₄ :Eu ³⁺ nanoparticle for photocatalytic activity	Materials Today: Proceedings Volume 49, Part 3, 2022, Pages 583-587	R. Venkatesh, L.S. Reddy Yadav, N. Dhananjaya, A. Jayasheelan	https://doi.org/10.1016/j.matpr.2021.04.508
11	Dr. Daruka Prasad B	Functionalized surfaces created by perturbation in luminescent polymer nanocomposites: Materials for forensic and security ink applications	Colloids and Surfaces A: Physicochemical and Engineering Aspects Volume 634, 5 February 2022	K.N.Narasimhamurthy, B. Daruka Prasad, D.R.Lavanya, D.Kavyashree, G.P.Darshan, S.C.Sharma, H.B.Premkumar, K.S.Kiran, H.Nagabhushana	https://doi.org/10.1016/j.colsurfa.2021.127770
12	Dr. Daruka Prasad B	PVA –Bismuth zirconium oxide nanocomposites using BSA protein: Properties and their applications to WLEDs, anti-counterfeiting and forensic fields	Chemical Physics Volume 563, 1 November 2022, 111656	Bhimanagouda Kalaburgi, B. Daruka Prasad, D.R. Lavanya, G.P. Darshan, B.R. Radhakrushna, M. Nasreen Taj, H.B. Premkumar, H. Nagabhushana	https://doi.org/10.1016/j.chemphys.2022.111656
15	Dr.Yashaswini	LaAlO ₃ :Dy ³⁺ perovskite for white light emitting phosphors suitable for display devices	Journal of Materials Science: Materials in Electronics, 33, Jan 2022	S Pratibha, N Dhananjaya, G Nagaraju	
16	Dr.Yashaswini	Enhanced photoluminescence and decay studies of Li co-doped LaAlO ₃ :aCe ³⁺ phosphor for	Eur. Phys. J Plus, 2022, 137:630	S Prathibha C Pandurangappa, G Nagaraju	https://link.springer.com/article/10.1140/epjp/s13360-022-02834-0

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		display applications			
17	Dr.Yashaswini	Entada Gigas seeds mediated synthesis of carbon for dielectric and sensing applications	Sensors International, 3 (2022)100162	K H Sudheer Kumar, Yashaswini, H J Yashwanth, S Pratibha, K Hareesh, S R Manohara	https://doi.org/10.1016/j.sintl.2022.100162
18	Dr. C. Kavitha	Ag decorated sea urchin-MoO ₃ based hierarchical micro-nano structures as surface - enhanced Raman spectroscopy substrates for the detection of a nitrosamine industrial pollutant	Materials Today Communications, vol 33, pgs104995, 2022	Ramya Prabhu B, C. Kavitha, Neena S. John	https://doi.org/10.1016/j.mtcomm.2022.104995
19	Dr. Basavaraj R B	Color tunable SrZrO ₃ : Sm ³⁺ nanopowders with satisfactory photoluminescent, band engineering properties for warm white LEDs and advanced forensic applications	Journal of Molecular Structure, Volume 1254, 15 April 2022, 132302	KC Sushma, Santosh Kumar, G Nagaraju, DP Aarti, MB Madhusudana Reddy, MS Rudresha, RB Basavaraj	https://doi.org/10.1016/j.molstruc.2021.132302