

Physics department Publication details-2023

Number of Publications in International Journal	Total Numbers	SCI	WOS	Scopus (Journals/conf. Proceedings/Book chapters)	Q1	Q2	Q3	Q4
Dr. Dhananjaya. N	2							
Dr. R. Lokesh								
Dr. C. Kavitha								
Dr. Yashaswini	1	1						1
Dr. Ashwini K R	1							
Dr. Daruka prasad B	8	6	6	2	4	2		2
Dr. Basavaraj R B								
Dr. Harish Sharma Akkera	1	1				1		
Dr. R. Venkatesh	2	2						2

International Journal details

Sl. No .	Title of the Paper	Name of the Author/s	Name of the Journal	ISSN	Details of publication with doi
1	A study on light charged particle accompanied ternary fission of ^{253}Cf	AV Mahesh Babu, N Sowmya, HC Manjunatha, N Dhananjaya	Physics Open		Volume 17 , December 2023, 100185, https://doi.org/10.1016/j.physo.2023.100185

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2	Phytobial remediation: a new technique for ecological sustainability	S Pratibha, N Dhananjaya	Springer Nature Singapore		06 January 2023 pp 451–462, https://doi.org/10.1007/978-981-19-5454-2_17
	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	Ramya Prabhu B, C. Kavitha , Neena S. John	Materials Today Communications 33 (Dec-2022) 104995		https://doi.org/10.1016/j.mtcomm.2022.104995
3	SYNTHESIS OF LaAlO ₃ : Dy 3+: Bi 3+ NANOMATERIALS TO OPTICALLY MIMIC THE BIOLUMINESCENCE OF PHOTINUS SCINTILLANS (FIREFLY) AND ANTIBACTERIAL APPLICATIONS	R. VENKATESH, K. YASHASWINI , L.S. REDDY YADAV, G. NAGARAJU, A. JAYASHEELA N	ROMANIAN J. BIOPHYS.	1220-515X	Vol. 33, P. 169–181 (2023). https://www.doi.org/10.59277/RJB.2023.4.03
4	Sm-SrAl ₂ O ₄ Nanomaterial: Intensive Orange-red component for white LED, Latent finger Print, and anti-counterfeiting applications	K.R. Ashwini , H.B. Premkumar, Daruka Prasad B , G.P. Darshan , H. Nagabhushana, S.C. Sharma, S.C. Prashantha	Chemical Physics	1873-4421	Chemical Physics Volume 568 , 1 April 2023, 111799 https://doi.org/10.1016/j.chemphys.2022.111799 9

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5	A new strategy to boost luminescent markers for LFP detection and anti-counterfeiting applications using flux assisted BaLa ₂ ZnO ₅ : Eu ³⁺ +phosphor	B.R. Radha Krushna, S.C. Sharma, B. Daruka Prasad , C. Sridhard, SurekVaralakshmi, Augustin George, Dileep Francis, T. Sivashanmugam, K. Manjunathah, Sheng Yun Wu, H. Nagabhushana	Materials Research Bulletin	0025-5408	Materials Research Bulletin 170(2024)1125 61 https://doi.org/10.1016/j.materresbull.2023.112561
6	Novel green emanating Sr ₆ Al ₄ Y ₂ O ₁₅ :Er ³⁺ +nanophosphor for thermal sensing, data security and personal identification	G.R. Mamathaa, B.R. Radha Krushna, B. Daruka Prasad , S.C. Sharma et al.,	Microchemical Journal	0026-265X	https://doi.org/10.1016/j.microc.2023.109184 Microchemical Journal 193 (2023) 109184
7	Facile and eco-friendly PVA nanocomposites as a photoluminescent: Anti-counterfeiting, LED and wettability applications	Bhimanagoud Kalaburgia, Daruka Prasad B. , Lavanya D.R. Sharma S.C. Srikanth C., Darshan G.P, Nasreen Taj M, Premkumar,	Ceramics International	0272-8842	Ceramics International 49 (2023) 4586–4598 https://doi.org/10.1016/j.ceramint.2022.09.344

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		Nagabhushan a H.			
8	A cost-effective intense blue colour cobalt doped gahnite pigment for latent finger print, cheiloscopy and anti-counterfeiting applications	R. Sreedharaa, B.R. Radha Krushna, B.Daruka Prasad , Balanehru Subramanian, K. Manjunatha, Sheng Yun Wu, Aparna Shetty, H. Nagabhushan a	Colloids and Surfaces A: Physicochemical and Engineering Aspects	0927-7757	Colloids and Surfaces A: Physicochemical and Engineering Aspects 663 (2023) 131038 https://doi.org/10.1016/j.colsurfa.2023.131038
9	Nanocomposites of PVA/chitosan blend with BiOCl:Eu ³⁺ prepared by sonochemical route: Forensic and optoelectronics applications	Bhimanagouda Kalaburgi, B. Daruka Prasad , D.R. Lavanya, G.P. Darshan, V.C. Veeranna Gowda, N. Hanumantharaju, A. Venkatesulu, Nasreen Taj M., S.C. Sharma, H. Nagabhushan	Colloids and Surfaces A: Physicochemical and Engineering Aspects	0927-7757	Colloids and Surfaces A: Physicochemical and Engineering Aspects 657 (2023) 130446 https://doi.org/10.1016/j.colsurfa.2022.130446
10	Nanocomposites of PVA-PVP and l-ascorbic acid modified ZnO:Fe via ultrasonic irradiation as a	K.N. Narasimhamurthy, B. Daruka	Inorganic Chemistry Communications	1387-7003	Inorganic Chemistry Communications

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	green technique: Latent fingerprint detection, food packing and anti-bacterial applications	Prasad, B.R. Radh Krushn et al.			s 156 (2023) 111161 https://doi.org/10.1016/j.inoche.2023.111161
11	Efficient red-emitting SrZrO ₃ : Eu ³⁺ phosphor superstructures for display device applications	KC Sushma, RB Basavaraj , DP Aarti, MB Madhusudana Reddy, G Nagaraju	Journal of Molecular Structure	1872-8014	Volume 1283 , 5 July 2023, 135192 https://doi.org/10.1016/j.molstruc.2023.135192
12	Structural and optical properties of polyvinyl alcohol/copper oxide (PVA/CuO) nanocomposites	SK Kanchana, N Vanitha, RB Basavaraj , Shivaraj Madivalappa	Solid State Communications	1879-2766	Volume 370 , 15 September 2023, 115221 https://doi.org/10.1016/j.ssc.2023.115221
13	Physical and Optical Properties of Silicon Doped LaOF:Gd ³⁺ nanoparticles Prepared by Combustion method	Wajeetha Sultana A. Jayasheelan, R. Venkatesh , N. Hanumantharaju, G. Chandrashekariah, K.K. Mohankeshava,, J. Shivakumar, P. Shankar, V.C. Veerannagowda, Karanam Madhavi	Journal of Mines, Metals and Fuels	0022-2755	Vol 71, Issue 8, p1024 , 10/2023 DOI 10.18311/jmmf/2023/33537
14	A study of Distribution of gross alpha Activity and Environmental Gamma Radiation and Dose Estimation	A. Jayasheelan R. Venkatesh , Wajeetha Sultana, P. Shankar, N. Sivasankararedd	Journal of Mines, Metals and Fuels	0022-2755	Vol 71, Issue 8, p1017 , 8/2023 DOI

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		y, N. Hanumantharaju , V.C. Veerannagowda , G. Chandrashekara iah, K.K. Mohankeshava, Sardar pasha			10.18311/jmmf/2 023/33501
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Book Chapter Details

Sl. No.	Title of the Book	Title of the Book Chapter Published	Name of the Author/s	ISBN	Publisher name	Indexed in WoS/Scopus (Yes/No)
1	Comprehensive Analytical Chemistry' Volume: 106, Analytical Applications of Graphene Oxide	Graphene oxide-Surface enhanced Raman spectroscopy sensing and imaging applications	C. Kavitha	ISBN: 978-0-443-29642-0	Elsevier Book Chapter-10 Pages 267-301, 2024.	Yes
2	Nanomaterials in Environmental Analysis	Nanomaterials in assaying of pollutants by Surface-Enhanced	Awati Prema	ISBN-978-0-12-820643-0	Elsevier Book , Chapter 10, 2024	Yes

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		Raman Spectroscopy	Mahadev, C. Kavitha			
3	2D Materials based Electrochemical sensors	Graphene based materials for electrochemical sensing	C. Kavitha	ISBN: 978-0-443-15293-1	Elsevier Book Chapter 5, 159-188, 2023	Yes
4	Novel Nanostructured Materials for Electrochemical Bio-Sensing Applications	Nanostructured electrochemical biosensors for pesticides and insecticides	Yashaswini Pratibha, Y.B. Vinay Kumar, K.H. Sudheer Kumar	9780443153341	Elsevier	Yes
5	Novel Nanostructured Materials for Electrochemical Bio-Sensing Applications	Fundamentals of nanostructured materials and synthetic routes	S. Pratibha, Yashaswini,	9780443153341	Elsevier	Yes

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6	Surfactant Based Electrochemical Sensors and Biosensors	Surfactant-modified electrochemical sensors and biosensors for herbicides, insecticides, fungicides, and other ecotoxic chemicals	S. Pratibha, Yashaswini, Y.B. Vinay Kumar, Nagaraja Sreeharsha	9780443154935	Elsevier	Yes
7	Nanomaterials for Biomedical and Bioengineering Applications	Metallic Nanoparticles for Biomedical Applications	Yashaswini, Swetha, G.A., Betageri, V.S., Latha, M.S., Vinaykumar, Y.B.	978-981-97-0221-3	Springer	Yes
8	Biobased Nanomaterials	Biobased Nanomaterials in Sensing Technology	Yashaswini, Venkatesh, R., Pratibha, S., Vinay Kumar	978-981-97-0542-9	Springer	Yes

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9	Laser assisted machining: Processes and applications	A Review of the application of laser crack measurement of white topping road	Vinod B R, Ashwini K R	978-1-394-21357-3	WILEY	SCOPUS
10	Laser assisted machining: Processes and applications	Removing Algae and Moss growth on compressed stabilized earth block wall surface by laser cleaning	Vinod B R, Ashwini K R	978-1-394-21357-3	WILEY	SCOPUS
11	Quantum Dots	Fluorescent quantum dots as labeling agents for the effective detection of latent fingerprints on various surfaces	G.P. Darshan, B. Daruka Prasad, H.B. Premkumar et al	https://doi.org/10.1016/B978-0-323-85278-4.00006-4	Elsevier	Scopus

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12	Quantum Dots	Quantum dots-based solar cells: Futuristic green technology to accomplish the energy crisis	G.P. Darshan, D.R. Lavanya, B. Daruka Prasad, S.C. Sharma and H. Nagabhushana	https://doi.org/10.1016/B978-0-323-85278-4.00004-0	Elsevier	Scopus
30						