



IDHAYA COLLEGE FOR WOMEN (AUTONOMOUS)

KUMBAKONAM

Accredited with A+ Grade by NAAC 1st Cycle

DEPARTMENT OF PHYSICS

STAFF PUBLICATION PARTICULARS

S. NO.	NAME OF THE AUTHOR (S)	TITLE OF THE PAPER	JOURNAL NAME	ISSN/ ISBN	YEAR	PUBLISHED IN	JOURNAL LINK
ACADEMIC YEAR (2025 – 2026)							
1	Mrs.K. Kanimozhi	“Lattice Structure, Optical Emission, and Photocatalytic Response of ZnO Nanoparticles Synthesized via Green Route”	Physics of Solid State	1090-6460	2026	Scopus/WoS/ SCIE	https://sl1nk.com/fed8ed1
2	Mrs.K. Kanimozhi	“Sustainable synthesis and characterization of Cerium oxide nanoparticles using Camphora leaf extract for efficient dye degradation”	Russian Journal in General Chemistry	1070-3632	2025	Scopus/WoS/ SCIE	https://tinyurl.com/mrutczmf
3	Mrs.M. Manjula	“ Computational analysis of structural, electronics and optical properties of KOH doped Phthalimide single crystal”	Journal of Structural Chemistry	1122-4025	2026	Scopus/WoS/ SCIE	https://tinyurl.com/5n92x3zy
4	Mrs.M. Manjula	NaOH-induced structural polarization and enhanced third-order nonlinear optical response in Phthalamide single crystal	Journal of Molecular Structure	0022-2860	2026	Scopus/WoS/ SCIE	https://sl1nk.com/2iz9jna

ACADEMIC YEAR (2021-2022)

1	Dr.N. Mahendran	Structural, optical and electrical properties of Cd doped CuO nanoparticles Obtained by simplesolgel method	Materials Today Proceeding.	2214-7853	2021	Scopus index	https://tinyurl.com/bdd2534
2	Dr.N. Mahendran	Green synthesis, Characterization and Antimicrobial activities of silver nanoparticles using Cissus quadangularis Leaf extract	Materials Today Proceeding	2214-7853	2021	Scopus index	https://tinyurl.com/mrutczmf
3	Dr.N.Mahendran	Synthesis, growth, optical Studies and antimicrobial activity of an ewsemiorganic nonlinear optical crystal L- valine barium chloride	Materials Today Proceeding.	2214-7853	2021	Scopus index	https://tinyurl.com/45avc3d4
4	Dr.N. Mahendran	Study on structural, electro- optical and optoelectronics properties of CuO nanoparticlessynthesis Viasol Gel method.	Materials Today Proceeding.	2214-7853	2021	Scopus index	https://tinyurl.com/ycktdzpt
5	Dr.N. Mahendran	Synthesis, growth, optical studies and antimicrobial activity of an ew semi organic nonlinear optical crystal L- valine cobalt sulphate.	Materials Today Proceeding.	2214-7853	2021	Scopus index	https://tinyurl.com/2p8eb54y
6	Dr.N. Mahendran	Structural, optical and electrical properties of copper composite ZrO ₂ nanoparticles Prepared via sol-gel method.	Journal of Materials Science: Materials Electronics	0957-4522	2021	Scopus index	https://tinyurl.com/5n92x3zy

7	Dr.N. Mahendran	Synthesis, characterization of undoped and copper-doped hafniumoxide nanoparticles bysol-gel method.	Journal of Materials Science: Materials Electronics	0957-4522	2022	Scopus index/science	https://tinyurl.com/7cfsjzc9
ACADEMIC YEAR (2019-2020)							
1	Mrs.T.Kavitha	Growthand characterization of L-Histidium ammonium acetatenonlinearoptical singlecrystal	ActaPhysica Polonica A	1898-794X	2019	Scopus	https://tinyurl.com/yxcw9qr u
2	Dr.J.Josephine Novina	X-RayCrystallography of Pyrimidine Derivatives	Aegaeum	0776-3808	2020	UGC-CARE (Group-II)	https://tinyurl.com/yxbuddn e
3	Dr.J.Josephine Novina	Growthand Characterization of Glycine Ammonium Chloride(GAC)Crystals bySolutionMethod	Aegaeum	0776-3808	2020	UGC-CARE (Group-II)	https://tinyurl.com/y56uass t
4		Crystal Structure of Di(E)-2- (Pyridin-2- Ylmethylene)hydrazine carboxamideNickel (II)DichlorideDihydrate					https://tinyurl.com/y3nyhbl s
5		Growth and CharacterizationofPure and Doped Ammonium Dihydrogen Orthophosphate(ADOP) Single Crystals					https://tinyurl.com/yxqa3e or

6	Mrs.K. Kanimozhi	The Pure and Cadmium Doped Cerium Oxide Nanoparticles:Enhanced Photocatalytic Activity Under Solar Light Irradiation	Aegaeum	0776-3808	2020	UGC-CARE (Group-II)	https://tinyurl.com/y2jqkyme
7	Mrs.R.Menaka	Green Synthesis of Zinc Oxide Nano powder by Using Aloe Vera Extract and its Characterization of XRD, SEM And Anti dermatophyte Activity	Aegaeum	0776-3808	2020	UGC-CARE (Group-II)	https://tinyurl.com/y2j94pqj
8	Mrs.R.Menaka	Green Synthesis of Zinc Oxide Nano powder by Using Andrographis Paniculata (Nilavembu) Extract and its CharacterizationofXRD, SEM and Antibacterial Activity	Aegaeum	0776-3808	2020	UGC-CARE (Group-II)	https://tinyurl.com/y2qjhdivs
9	Mrs.R. Sasirekabai	Synthesis and Observation of L-Proline SuccinicAcid(LPS) Single Crystal	Aegaeum	0776-3808	2020	UGC-CARE (Group-II)	https://tinyurl.com/yxhdcr4v
10	Ms.A. Bharathi	Spectroscopic(FT-IR,FT-RAMAN, NMR, UV-VIS) Investigations on 4-Methoxy Acetophenone Using Quantum Computational Methods					https://tinyurl.com/y2bpnn5f

ACADEMIC YEAR (2018-2019)							
1	Mr.N. Mahendran	Structural, Morphological, Optical and Photoluminescence properties of ZrO ₂ Nanoparticles by Sol-Gel Method	Journal of Applied Science and Computations	1076-5131	2018	UGCCARE LISTED	https://tinyurl.com/y3rpkm25
2		Structural, Morphological, Optical and Photoluminescence Properties of Hafnium Oxide Nanoparticles Synthesized by Sol-Gel Method	Asian Journal of Chemistry	0970-7077	2019	UGCCARE LISTED	https://tinyurl.com/y2jp6z2w
ACADEMIC YEAR (2017-2018)							
1	Mrs.J. Josephine Novina	X-ray crystallography of Hydrazone Derivatives- A Comparative Study	International Journal of Scientific & Engineering Research	2229-5518/t d>	2017	UGC Approved	https://tinyurl.com/y3rpkm25
ACADEMIC YEAR (2015-2016)							
1	Mrs.J. Josephine Novina	Crystal structure of ethyl 6- chloromethyl-2-oxo-4-(2,3,4-trimethoxyphenyl)-1,2,3,4- tetra hydro pyrimidine-5- carboxylate	Acta Cryst.	2056-9890	2015	UGC Approved	https://tinyurl.com/y3ldoggb
2		Ethyl 4-(furan-2-yl)-6-methyl-2-oxo-1,2,3,4-	International Union of Crystallography	2414-3146	2016	UGC Approved	https://tinyurl.com/y2j5jk7w

		tetra hydropyrimidine- 5- carboxylate: a triclinic polymorph					
3		9,9-Diethyl-7-ethynyl-N, N-diphenyl-9H-fluoren-2- amine	International Union of Crystallography	2414- 3146	2016	UGC Approved	https://tinyurl.com/y3flhhwy
ACADEMIC YEAR (2014-2015)							
1	Mrs.J. Josephine Novina	(E)-N'-(3,4- Di methoxy benzylidene) Nicotino hydrazide monohydrate.	Acta Cryst.	2056- 9890	2014	UGC Approved	https://tinyurl.com/yxpg7hjk
2		Crystal structure of 3- ({[thiophen-2-yl] methylidene] Hydrazonyl} Pyridinium Chloride Dehydrate					https://tinyurl.com/y6eurzfq
3		Crystal structure Determination and Antimicrobial Studies on Di ((E)-2-(pyridine-2- ylmethylene) hydrazine carboxamide) Nickel(II) Dichloride dehydrate	International Journal of Development Research	2230- 9926	2014	UGC Approved	https://tinyurl.com/y3zynqu3
4		Crystal structure of ethyl 6- methyl-2- sulfanylidene-4-- (thiophen-2-yl)-1,2,3,4- tetrahydropyrimidine-5- carboxylate					https://tinyurl.com/y3zynqu3

5		Crystal structure of (E)-3{[2-(2,4-dichlorobenzylidene)Hydrazin-1-yl]carbonyl}pyridiniumchloride Trihydrate					https://tinyurl.com/yyf4n6my
6		Crystal structure of ethyl 6-methyl-2-oxo-4-(3,4,5-trimethoxyphenyl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate	Acta Cryst.	2056-9890	2015	UGC Approved	https://tinyurl.com/yyk5yh5n
ACADEMIC YEAR (2013-2014)							
1	Mrs.J. Josephine Novina	7-[(Morpholin-4-yl)(phenyl)methyl]quinolin-8-ol					https://tinyurl.com/y258unga
2		(E)-N'-(4-Methoxybenzylidene)pyridine-3-carbohydrazidihydrate	Acta Cryst.	2056-9890	2013		https://tinyurl.com/y649uul4
3		Spectral and X-ray Crystallographic Structure Determination of (E)-N'-[(Furan-2-yl)methylene]-benzohydrazide	Indian Journal of Applied Research	2249-555X	2013		https://tinyurl.com/yy7od6c9
4		(Synthesis, Crystal Structure and Antimicrobial Activities of Di ((E)-2-(Pyridine-2-	Physical Science International	2348-0130	2014		https://tinyurl.com/y5nm75vb

		methylene) Hydrazine carboxamide)Cobalt(II) Dichloride Trihydrate	Journal				
ACADEMIC YEAR (2012-2013)							
1	Mrs.J. Josephine Novina	4,4'-Dibromo-2- nitrobiphenyl	Acta Cryst.	2056- 9890	2012	UGC Approved	https://journals.iucr.org/e/issues/2012/02/00/su2358/index.html
2		2,3,6,7-Tetrabromo-9- butyl- 9H-carbazole					https://tinyurl.com/y52jl2h6
3		2,2'-Bithiophene-3,3'- dicarbonitrile					https://tinyurl.com/yyzdbum9
4		12-(4-Methoxybenzoyl)-2- methylbenzo[f]pyrido[1,2- a] indole-6,11-dione					https://tinyurl.com/y3u5ymsf

EDITOR/COEDITOR/RESOURCEPERSON/REVIEWER

S.NO.	DATE	NAME OF THE STAFF	EDITOR / COEDITOR / REVIEWER/RESOURCE PERSON	TITLE OF THE EVENT/JOURNAL NAME	ORGANIZATION
ACADEMIC YEAR (2024-2025)					
1	18.02.2025	Dr.T. Kavitha	Chair Person	International Conference	A.V.V.M Sri Poondi Pushpam College, Thanjavur.

ACADEMIC YEAR (2023-2024)					
1	03.10.2023 – 04.10.2023	Dr.N.Mahendran	Chair Person	International Conference	TBMLCollege, Porayar
2	07.03.2024	Dr.T. Kavitha	Chair Person	International Conference	PMIST, Thanjavur
ACADEMIC YEAR (2022-2023)					
1	10.06.2023	Dr.N. Mahendran	Reviewer	JournalofMaterial Science &Manufacturing Technology.	Scientific.Net
2	13.06.2023	Dr.N. Mahendran	Reviewer	Journal of Optical & QuantumElectronics	Springer

SEMINAR/CONFERENCE/WORKSHOP/FDP

S.NO.	DATE	NAME OF THE STAFF	SEMINAR/CONFERENCE /WORKSHOP/FDP	VENUE
ACADEMIC YEAR (2025-2026)				
1	18.07.2025 to 22.07.2025	Mrs.K. Kanimozhi	FDP on Outcome Based Learning in HEI's for Quality Education	Dhaanish Ahmed Institute of Technology, Coimbatore
2	11.09.2025 to 12.09.2025	Mrs.R. Menaka	Poster Presentation National Conference on Science Traid:Mathematics and Chemistry in Perfect Balance - NCST 2025	STET Educational Trust, Surakkottai

3	06.10.2025 to 10.10.2025	Mrs.M. Manjula	FDP on Experimental and Computational Physics	Bon Secours College for Women, Thanjavur
ACADEMIC YEAR (2024-2025)				
1	27.07.2024	Mrs.K. Kanimozhi	Workshop on Quantum Mechanical Calculations through Computational Technologies	SRM Institute of Science and Technology, Chennai.
2	04.09.2024	Mrs.K. Kanimozhi	Statewide Conference/ Naan Mudhalvan	Bharathidasan University, Tiruchirappalli
3	09.09.2024 - 14.09.2024	Dr.T. Kavitha	FDP on NanoInnovation Shaping the World of Tomorrow	SriIndu College of Engineering and Technology, Hyderabad.
4	23.09.2024 -27.09.2024	Dr.N.Mahendran	FDP on Indian Knowledge System and Universal Values for Academic Integrity	Jamal Mohammed College, Tiruchirappalli.
5	23.09.2024 - 27.09.2024	Mrs.K. Kanimozhi	FDP on Multidisciplinary Approach on Nanotechnology	Vellalar College for Women, Erode.
6	28.09.2024	Dr.T. Kavitha	International Webinar on Multifunctional Materials	SRM Institute of Science and Technology, Chennai
7	06.01.2025 - 11.01.2025	Dr.T. Kavitha	FDP on Drone Application and Aerial Survey	Bharathidasan University, Tiruchirappalli.
8	31.01.2025	Mrs.K. Kanimozhi	International Conferenc on Advanced Materials	St.Josephs College, Tiruchirappalli.
ACADEMIC YEAR (2023-2024)				
1	20.06.2023	Mrs.R. Sasirekabei	SPOC-Appreciation	Naan Mudhalvan
2	08.08.2023	Mrs.R. Sasirekabei	SPOC-Appreciation	Naan Mudhalvan

3	28.08.2023– 01.09.2023	Mrs. K. Kanimozhi	FDP	Idhaya College for Women, Kumbakonam
4	07.09.2023 – 08.09.2023	Dr.T. Kavitha	International Conference	Saveetha University, Chennai
5	19.09.2023	Mrs. K. Kanimozhi	International Webinar	Government Arts & Science College for Women, Bargur, Krishnagiri.
6	19.09.2023	Mrs.R. Sasirekabei	International Webinar	Government Arts & Science College for Women, Bargur, Krishnagiri.
7	29.09.2023	Mrs. K. Kanimozhi	National Conference	Dr.Kalaignar M.Karunanidhi Government Institute for Post Graduate Studies and Research, Karaikal.
8	29.09.2023	Mrs.R. Sasirekabei	National Conference	Dr.Kalaignar M.Karunanidhi Government Institute for PostGraduate Studies and Research, Karaikal.
9	03.10.2023 &04.10.2 023	Dr.T. Kavitha	International Conference	TBML College, Porayar.
10	03.10.2023 &04.10.2 023	Dr.N. Mahendran	International Conference	TBML College, Porayar.
11	03.10.2023 &04.10.20 23	Mrs. K. Kanimozhi	International Conference	TBML College, Porayar.
12	03.10.2023 &04.10.20 23	Mrs.R. Sasirekabei	International Conference	TBML College, Porayar.
13	03.10.2023 &04.10.20 23	Mrs.R. Menaka	International Conference	TBML College, Porayar.
14	09.10.2023 – 13.10.2023	Mrs. K. Kanimozhi	FDP	Sathyabama Institute of Science and Technology, Chennai.
15	01.11.2023	Mrs.R. Sasirekabei	SPOC-Appreciation	Naan Mudhalvan

16	22.01.2024 - 24.01.2024 &	Mrs. K. Kanimozhi	FDP	Bharathidasan University, Tiruchirappalli.
	29.01.2024 - 30.01.2024			
17	26.02.2024 - 02.03.2024	Dr.T. Kavitha	National Seminar	Devchand College, Arjun Nagar, Maharashtra.
18	06.03.2024 &07.03.2 024	Mrs. K. Kanimozhi	International Conference	PMIST, Thanjavur.
19	06.03.2024 &07.03.2 024	Mrs. R. Sasirekabei	International Conference	PMIST, Thanjavur.
ACADEMIC YEAR (2022-2023)				
1	13.07.2022	Dr.N. Mahendran	Seminar	ICT Academy, Chennai.
2	17.11.2022 - 19.11.2022	Mrs.R. Sasirekabei	FDP	ICT Academy& Idhaya College for Women, Kumbakonam.
3	31.01.2023 - 03.02.2023	Dr.T. Kavitha	FDP	Bharathidasan University, Tiruchirappalli.
4	31.01.2023 - 03.02.2023	Ms.A. Bharathi	FDP	Govt. Arts College (Autonomous), Coimbatore.

AWARD

S.NO.	DATE	NAME OF THE STAFF	AWARD	EVENT	ORGANIZATION
ACADEMIC YEAR (2023-2024)					
1	24.10.2023	Mrs.R. Menaka	Kalai Thendral Award	Appreciation	Cheran Mathevi Trust
2	26.11.2023	Mrs.R. Menaka	Palthurai Vittagar Award	Teacher's Day	Magilam Tamil sangam, Salem.