

PROFORMA FOR BIO-DATA (to be uploaded)

1. Name and full correspondence address Dr Dinesh Uthra, Department of Pure & Applied Physics ,Guru Ghasidas Vishwavidyalaya, Central University , Bilaspur - Chhattisgarh
2. Email(s) and contact number(s) dkuthra45@gmail.com -9131902773
3. Institution Department of Pure & Applied Physics ,Guru Ghasidas Vishwavidyalaya, Central University , Bilaspur - Chhattisgarh
4. Date of Birth 29.10.1971
5. Gender (M/F/T) M
6. Category Gen/SC/ST/OBC Gen
7. Whether differently abled (Yes/No) No
8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of marks
1.	B.Sc. (UG)	1995	Physics , Chemistry , Mathematics , Foundation Course	Guru Ghasidas Vishwavidyalaya, Bilaspur	53.27%
2.	M.Sc.-Physics (PG)	1997	Physics - Material Science	Guru Ghasidas Vishwavidyalaya, Bilaspur	73.95%
3.	Ph.D. -Physics	2002	Physics	Guru Ghasidas Vishwavidyalaya, Bilaspur	Awarded
4.					

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Ph.D thesis title :Preparation & Characterisation of Some Doped Rare Earth Manganites (Colossal Magnetoresistance Materials)

Guide's Name :Late Prof. R.K.Singh Distinguished Professor of Physics ,Guru Ghasidas Vishwavidyalaya, Bilaspur

Institute/Organization/University;Guru Ghasidas Vishwavidyalaya, Bilaspur

Year of Award : 2002

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Assistant Professor - Physics Academic Level 10	Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyalaya Bilaspur	18.11.2019	17.11.2023	Gross salary :₹ 137187 Level 10 (57,700-1,82,400)
2	Assistant Professor - Physics Academic Level 11	Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyalaya Bilaspur	18.11.2023	Tilldate	Gross salary :₹ 157286 Level 11 (68,900-2,05,000)

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1	Gold Medal Award Guru Ghasidas Vishwavidyalaya , Bilaspur	Guru Ghasidas Vishwavidyalaya , Bilaspur	1998
2	Global Award 2020 For the Innovative Academician Under the category of HEI Professor Awards	Sri Aurobindo Yoga & Knowledge Foundation India National	2020

12. Publications (*List of papers published in SCI Journals, in year wise descending order*)

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Ahmed Hashim , Ghaith Ahmed , Hamed Ibrahim , Aseel Hadi , Dinesh Uthra	Synthesis and Ameliorating the Morphological, Microstructure and Optical Features of PMMA-PEG/ BaTiO ₃ Nanostructures for Flexible Photonics and Optics Devices	Trends in Sceinces			2025 Accept ed for Public ation

2	Jitendra Prakash Chandra, Kiran Thakur, Dinesh Uthra ., Ahmed Hashim	Tailored Dy2O3 PVA Nanocomposites: Design, Fabrication, and Optical Characterization for Advanced Optoelectronic Applications	Scientific Reports Springer Nature			2025-Under Review
3	Ahmed Hashim, Ahmed Kareem, Hamed Ibrahim, Dinesh Uthra , Aseel Hadi, Kiran Thakur & Jitendra Prakash Chandra	Fabrication and Ameliorating the Features of (PMMA-SiC-NiO) Multifunctional Nanostructures for Flexible Optoelectronics Applications	Journal of Inorganic and Organometallic Polymers and Materials	https://doi.org/10.1007/s12596-025-02479-z		2025
4	Kiran Thakur, Dinesh Uthra , Ahmed Hashim	Optimizing Electrical Performance in PVA/TiO2-SiC Polymer Nanocomposites for Cutting-Edge Photonic and Electronic Nanodevices.	Transactions on Electrical and Electronic Materials	https://doi.org/10.1007/s42341-025-00621-z		2025
5	Kiran Thakur, Dinesh Uthra ., & Hashim, Ahme	Production, structural and tunable optical properties of ternary PVA/TiO2-SiC nanosystems for multifunctional optoelectronics fields.	Journal of Optics	https://doi.org/10.1007/s12596-025-02508-x		2025
6	Hashim, A., Ibrahim, H., Dinesh Uthra et al.	Synthesis and ameliorating the microstructure and optical features of tantalum carbide nanostructures doped PVA/PVP for versatile optoelectronics devices. J Opt (2025). Hashim, A., Ibrahim, H., Dinesh Uthra et al	Journal of Optics	https://doi.org/10.1007/s12596-025-02479-z		2025

7	Dinesh Uthra , Krishna Patel, Jai Narayan Sahu,MZ Khan	Synthesis and Characterization of Co-precipitated Hematite- α - Fe_2O_3 Nanoparticles (AIO-NPs), Springer Nature, 2024, 1, pages 49-54	Springer Nature	https://doi.org/10.1007/978-3-031-49826-8_7	49-54	2024
8	Jai Narayan Sahu, Dinesh Uthra , Mohammad Ziyauddin Khan	Colossal Magnetoresistance	Bharat Journal of Science ,Techn ology & Humanities	10(2)	14-18	2024
9	Jai Narayan Sahu, Dinesh Uthra , M.Z. Khan	Enhancement of magnetoresistance with the variation of particle size in $\text{La}_{0.68-x}\text{Y}_x\text{Ca}_{0.32}\text{MnO}_{3,x}$ $x=0.00, 0.04, 0.5, 0.6, 23$	Elsevier's Materials Today Proceedings, 2023	https://www.sciencedirect.com/science/article/pii/S2214785323010556		2023
10	Ayan Roy, Anirban Panda, Hitendra Sahu, Neeraj Jaiswal, M. P. Sharma , Jai Singh, Dinesh Uthra and H S Tewari	Effect of Chromium (III) ion doping in the Crystal chemistry and Raman phonon modes in sol-gel synthesized $\text{CoFe}_{2-x}\text{Cr}_x\text{O}_4$ spinel ferrites ,i, pages- 251-257	Chhattisgarh Journal of Science and Technology 251-257	19(1)	251-257	2022
11	Dinesh Uthra , MP Sharma	EPR Study of CeO_2 Nanoparticles	Material Science Forum ,	1048 https://doi.org/10.4028/www.scientific.net/msf.1048.130	130-138	2022
12	Dinesh Uthra , M.P. Sharma	EPR study of Mn site substituted Pr based Doped Rare E arth Manganite	IOP Science : J.Phys.:Conf.S eries,	2070	12035	2021
13	Dinesh Uthra , MP Sharma, Natasha Mendiratta,	Comparative study between microwave and infrared assisted peeling of ginger,	Materials Today: Proceed ings	46(6)	2183-2188	2021

14	Dinesh Uthra , MP Sharma, HS Tewari	Synthesis and characterization of CeO ₂ nano particle	AIP Conference Proceedings	https://doi.org/10.1063/5.0052427 2352(1)	40028	2021
15	M. P. Sharma, Dinesh Uthra ; H. S. Tewari	Synthesis and characterization of cerium substituted cobalt ferrite	AIP Conference Proceedings	https://doi.org/10.1063/5.0052392 2352(1)	20058	2021
16	Dinesh Uthra , Satnam Singh, H.S. Tewari, Jai Singh and M.P.Sharma	Synthesis and Characterization of SrMoO ₄	Chhattisgarh Journal of Science and Technology	18(4)	61-64	2021
17	Prashant Vaishnav and Dinesh Uthra	Cloud Computing: A Qualitative Approach of Implementation	Routledge CRC Press , Taylor & Francis Group		44	2021
18	Dinesh Uthra , RK Singh	Fascinating current density features of noble metal doped YBa ₂ Cu ₃ O _{7-δ} (YBCO) Superconducting Materials	Journal of Integrated Science and Technology	7(1)	10-13	2019
19	HS Tewari, MP Sharma, Dinesh Uthra , Alka Singh, Jai Singh	Investigation on AC Electrical Conductivity of Double Doped Barium Stannate Complex Ba _{1-x} La _x Sn _{1-x} CoxO ₃ (x<-0.10)	Chhattisgarh Journal of Science and Technology	15(2)	15-17	2018
20	HS Tewari, MP Sharma, Dinesh Uthra , Alka Singh, Jai Singh	Low temperature synthesis of pure and substituted Barium Titanate (Ba _{0.9} R _{0.1} TiO ₃ (R= Co and Cr)) Ferroelectric System,	Chhattisgarh Journal of Science and Technology	15(2)	1-3	2018
21	Dinesh Uthra , RK Singh,	Extraordinary features of Mn site substituted Pr based doped rare earth manganites Pr _{3/5} Ca _{2/5} Mn _{1-x} Zn _x O ₃ (x= 0.00 & 0.15).	Optoelectronics and Advanced Materials	4	322-327	2010

22	D Uthra	Characterization of Doped Rare Earth Manganites, $\text{La}_{0.68-x}\text{A}_x\text{Ca}_{0.32}\text{MnO}_3$ where $\text{A} = \text{Y, Gd}$ ($x = 0.00, 0.08$)	Bulg.J. Physics	35	135-141	2008
23	Dinesh Uthra , S K Singh, R K Singh	Various Mechanism of Magneto resistance in Manganites, Link Journal 16, III-6, 7, 2004	Research Link Journal 16,	16, III-6		2004
24	Dinesh Uthra , S K Singh, R K Singh	The Physical and Magnetic Properties of $\text{La}_{0.68-x}\text{A}_x\text{Ca}_{0.32}\text{MnO}_3$ Where $\text{A} = \text{Y, Gd}$ ($x = 0.00, 0.08$)	, Research Link Journal	14, III-3		2004

13. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status
1	Four points magnetic stirrer with top plate	1. Dr. Dinesh Uthra 2. Mr. Kiran Thakur 3. Mr. Dharampal Rathia 4. Dr. Vikas Gulhare 5. Dr. Preeti Soni 6. Mr. Deepak Kumar Yadav 7. Dr. G Nag Bhargavi	429756-001	November 2024	Intellectual Property India Ltd	Examination Report has been Generated ,Online Reply Document Received(FER generated on 28/11/2024)

14. Books/Reports/Chapters/General articles etc.

S.No	Title	Author's Name	Publisher	Year of Publication
1	Dictionary of Physics	Dinesh Uthra	LAP- Lambert Academic Publication	2021
2	DigitalElectronics Online Teaching slides	Dinesh Uthra	Amazon Asia-Pacific Holdings Private Limited	2021

15. Any other Information (maximum 500 words)

(a) Research Guidance. More than -50 students (PG and UG)

Ph.D. : Registered -04 , Thesis submitted :02

(b)Research Project Completed: 03

(c)Paper presented in the International Conference/Seminar (Within Country) : 05

(d)Paper presented in the National Conference/Seminar :19

(c)Short term courses/ workshops Attended (International /National) : 20