



**Centre/School/Special Centre:** Physical Sciences

**Department:** Department of Pure & Applied Physics

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**Vidwan-ID :** 132755

**Dr. Dinesh Uthra**

**Qualifications:** M.Sc. Physics ( Gold Medallist) ,Ph.D. -Physics

**Area of Interest/Specialisation:** Material Science ,Manganites Materials , GMR , CMR materials ,Nano Material, Energy Materials, Nano phosphors and Multiferroic Materials



**Experience:** 20 years





- **Assistant Professor in Physics** -Department of Pure &Applied Physics ,Guru Ghasidas Vishwavidyalaya Central University Bilaspur, from **19.11.2019 to till date**,Teaching Physics to B.Sc,M.Sc Physics & Electronics , B.Tech ,Ph.D students .
- **Assistant Professor in Physics** - Adhoc ,Department of Pure &Applied Physics Guru Ghasidas Vishwavidyalaya,Central University, Bilaspur, **from 06.02.2017 to 17.11.2019** ,Teaching Physics to B.Sc , M.Sc Physics & Electronics , B.Tech ,Ph.D students.
- **Assistant Professor in Physics** on three years Contract basis, Government Engg College, Bilaspur(Chhattisgarh) Education(Technical) Deptt,Govt of Chhattisgarh, Mantralaya ,Raipur from **12.05.2004 to 09.01.2017** ,TeachingEngineering Physics to Bachelor of Engineering( B.E.) students.
- **Assistant Professor in Physics**, D.P.Vipra Post Graduate College,Bilaspur Directorate of Higher Education, Chhattisgarh under College code 28 from**01.07.2003 to 11.05.2004**,Teaching Physics to Bachelor of Science ( B.Sc.) , Master of Science ( M.Sc.) students.
- **Assistant Professor -Physics on Contract** , Government N.C.Jain College , Dalli Rajhara Directorate of Higher Education, Raipur( Chhattisgarh)from **10.02.2003to 30.04.2003** ,Teaching Physics to Bachelor of Science (B.Sc.)students.
- **Junior Research Fellow** ,Late Prof.R.K.Singh Principal Investigator, AICTE project,New Delhi Department of Pure &Applied Physics, Ex Vice-Chancellor of Guru Ghasidas Vishwavidyalaya, Bilaspur from**01.12.1998 to 31.12.2001** ,To do research.



### Award /Membership of Professional Bodies:

- Awarded '**Gold Medal**' in the year 1998 for securing First Rank in the University in the M.Sc. Physics(Material Science) from G.G.V. Bilaspur.
- **The progress Global Awardee for the Innovative Academician under the category of HEI Professor Awards** on 7th November ,2020.
- **Affiliate Member** of Institute of Physics 76, London ,W1N 3DH,U.K.
- **Life time Member** of **Indian Physics Association(IPA)**, Bhabha Atomic Research Centre, Mumbai, India( MEM. No.GEN/LM/11759).
- **Editorial Board Member** of South Asia Journal of Multidisciplinary Studies .
- **Annual member** of Material Research Society of India(MRSI), Indian Institute of Sciences , Bangalore.
- **Reviewer** of Advances in Materials (AM)of Science Publishing Group, New York USA. IEEE Bombay Section Signature Conference – IBSSC-2021.



### Best Peer Reviewed Publication (up-to 10)

Sr. No.	Full Reference of Research Papers	Publisher name and ISSN no
1.	EPR study of CeO <sub>2</sub> Nanoparticles, <b>Dinesh Uthra</b> , MP Sharma. Material Science Forum ,1048 (2022)130	 ISSN-1662-9752
2.	Cloud Computing: A Qualitative Approach of Implementation, Prashant Vaishnav, <b>Dinesh Uthra</b> CRC press ,44,(2022)	 ISSN No:2471-1063

3.	Synthesis and characterization of CeO <sub>2</sub> nano particles, <b>Dinesh Uthra</b> , M P Sharma and H S Tewari, AIP Conf. Proc. 2352, (2021) 040028	
4.	Synthesis and characterization of cerium substituted cobalt ferrite, M P Sharma, <b>Dinesh Uthra</b> and H S Tewari, AIP Conf. Proc., 2352, (2021) 020058	
5.	EPR study of Mn site substituted Pr based Doped Rare Earth Manganites , <b>Dinesh Uthra</b> and M P Sharma , J. Phys.: Conf. Ser. 2070 (2021) 012035	 ISSN -17578981
6.	Comparative study between microwave and infrared assisted peeling of ginger , <b>Dinesh Uthra</b> , M P Sharma and Natasha Mendiratta, Materials Today: Proc, 46 (6), (2021) 2183	
7.	Fascinating current density features of noble metal doped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> .(YBCO)Superconducting materials , <b>Dinesh Uthra</b> , RK Singh, J.Int.Sci. Technology 7(1),(2019) 10.	Journal of Integrated <b>Science and Technology</b> ISSN 2321–4635

8..	Extraordinary features of Mn site substituted Pr based Doped Rare earth Manganites $\text{Pr}_{3/5}\text{Ca}_{2/5}\text{Mn}_{1-x}\text{Zn}_x\text{O}_3$ ( $x=0.00$ & $0.15$ ) <b>Dinesh Uthra</b> , RK Singh., Journal of Optoelectronics & Advanced Material ,Rapid Communication 4, ISS 3,(2010)322	<b>JOAM - Journal of Optoelectronics and AdvancedMaterials</b> ISSN-1454-4164
9.	Characterisation of Doped Rare Earth Manganites $\text{La}_{0.68-x}\text{A}_x\text{Ca}_{0.32}\text{MnO}_3$ Where $\text{A}=\text{Y}, \text{Gd}$ ( $x=0.00,0.08$ ) <b>D.Uthra</b> ,Bulg.J.Phys.35,(2008)135	 ISSN No 1310-0157
10.	Annealing and Substitutional Dependent Magnetoresistance in Polycrystalline $(\text{La-R})_{1-x}\text{Ca}_x\text{MnO}_3$ , $\text{R}=\text{Y}, \text{Gd}$ Perovskites <b>Dinesh Uthra</b> , SK Singh, RK Singh. ,Proceeding of the Solid State Physics Symposium 42,(1999),593	 ISBN-10 : 8173712956

### Recent Books etc:

Sr N	Books Details	Publisher Name
1.	Digital Electronics Online Teaching Slides,Kindle Edition ,Kindle e book , 76 pages amazon.com,440 Terry Avenue North Seattle, WA 98109 USA,(2021), <b>Dinesh Uthra</b> .	
2.	Dictionary of Physics ,LAP Lambert Academic Publication 53 pages ,Republic of Moldova, Chisinau-2068,(2021 ), <b>Dinesh Uthra</b> .	 ISBN - 978-620-4-18218-6

**Research Supervision** : M.Phil : 08, M.Sc. Physics :10, M.Sc. Electronics :10  
B.Sc Electronics /Physics . : 25

**Short term courses /Conferences/Workshops /Seminars Symposium /Webinars attended : 30**

**Invited Talk** . : 03

**Project completed** : 02

**Seminars / Workshops/Conferences Organized :03**

### **Administrative Responsibilities**

1. **Coordinator of Alumni Association** of the Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyalaya Central University Bilaspur ( C.G.).
2. **Coordinator of Placement Cell** of the Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyalaya Central University Bilaspur ( C.G.).
3. **Member of Departmental Student Data and Management system** of the Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyaaya Central University Bilaspur ( C.G.)
4. **Member of Internship , Incubation and Entrepreneurship** of the Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyalaya Central University Bilaspur ( C.G.).
5. **Setting of Experimental lab of UG and PG** of Department of Pure & Applied Physics Guru Ghasidas Vishwavidyalaya ,Central University Bilaspur, ( C.G.)
6. **Criterion III of IQAC Member** of the Department of Pure & Applied Physics , Guru Ghasidas Vishwavidyalaya Central University Bilaspur ( C.G.).
7. Worked as a **Member of the Hostel Allotment Committee** of Department of Pure & Applied Physics Guru Ghasidas Vishwavidyalaya Central University Bilaspur ( C.G.),
8. Worked as a **Counting officer of Election -2019** of Guru Ghasidas Vishwavidyalaya ,Central University Bilaspur ( C.G.).
9. **Conducted valuation work** ( as a Valuer) of Chhattisgarh Swami Vivekanand Technical University Bhilai,Guru Ghasidas University , Bilaspur (C.G.) , Indira Gandhi National ( Open) University , New Delhi for the subject Applied Physics I &II (Diploma and Degree courses) , Guru Ghasidas University , Bilaspur ( C.G.)
10. **Conducted University exam (as a Observer )** of Chhattisagarh Swami Vivekanand Technical University , Bhilai in Siddhi Vinayaka Institute of Pharmacy , Mangla , Bilaspur and J.K .Institute of Pharmacy , Gatora , Bilaspur ( C.G.).

11. Conducted **Practical Exam ( as a External Examiner)** of B.E. First year of Institute of Technology, Guru Ghasidas University ,Bilaspur ( C.G.) Chouksey Engineering College, Institute of Technology , Bilaspur ( C.G.) , J.K. Instt. of Technology , Bilaspur Laxmi Chand Instt . of Technology , Bilaspur , Kirodimal Institute of Technology , Raigarh and Government Girls Polytechnics , Bilaspur , Government Polytechnics Takhatpur (C.G.) and as a **Expert of M.Phil** of Physics Department , C.V. Raman University Kota , Bilaspur ( C.G.) .
12. Worked as an **Incharge Head of Physics Deptt, Officer in Charge of Document verification Centre** of Government Engineering College ,Bilaspur ( C.G.).
13. Worked as an **Assistant Exam Superintendent of Mid term Examination** of Government Engineering College ,Bilaspur ( C.G.),
14. Worked as a **Stock verification Officer of Mechanical Department, Civil Engineering Department T.P.O.and Garden** of Government Engineering College Bilaspur ( C.G.),
15. Worked as a **TEQUIP in Charge for Physics Department** of Government EngineeringCollege Bilaspur ( C.G.),
16. Board member of **Interview Committee for the Part Time Lecturer(Physics &Management)**of Government Engineering College, Bilaspur ( C.G.),
17. Worked as a **Committee member of SC/ST coaching, Anti-ragging committee, Chairman of Students Development Committee** of Government EngineeringCollege, Bilaspur ( C.G.).
18. Worked as **Honorary City Coordinator for Bilaspur area by Science Olympiad Foundation**, New Delhi held in December 2003.

**Additional informations:**

- Selected as a **Member of Chhattisgarh State Consumer Dispute Redressal Commission, Govt of Chhattisgarh , Raipur.**
- Prepare the syllabus for **M.Sc. Electronics -Signals & Systems** of Department of Pure & Applied Physics Guru Ghasidas Vishwavidyalaya, Central University Bilaspur (C.G.)