

Profile

Personal Information:

Mr. Nageswararao Budiredla

Lecturer, Department of Physics

Dr. V.S. Krishna Govt. Degree College (A)

Visakhapatnam - 530013

A.P., INDIA

<https://www.drsvkrishnagdc.edu.in>



Mobile No: (+91) 8919153232

E-mail ID: budiredla@gmail.com

ORCID ID: <https://orcid.org/0000-0002-2529-2922>

Web of Science Researcher ID: A-2775-2019

Vidwan ID: 247891

Education:

S. No.	Qualification	Year	Institute/University	% Marks/ CPI
1	SSC (10th)	1999	Board of Secondary Education, A.P.	74.00 %
2	Intermediate Education (12th)	2001	Board of Intermediate Education, A.P.	85.60%
3	B.Sc.	2004	Andhra University, Visakhapatnam, A.P.	87.73%
4	M.Sc. (Physics)	2006	Andhra University, Visakhapatnam, A.P.	71.50%
5	M.Tech. (Materials Science)	2009	IIT Kanpur, U.P.	7.10
6	Ph.D.	2023	Andhra University, Visakhapatnam, A.P.	Thesis Submitted

Orientation/ Refresher Programmes:

1. Attended 28 days “76th Orientation Course” at UGC - Academic Staff College, University of Hyderabad, Telangana from 26-02-2007 to 02-03-2007.
2. Attended 21 days “Refresher Course” at UGC - Academic Staff College, JNTU Hyderabad, Telangana from 17-05-2013 to 06-06-2013.
3. Attended 15 days “Refresher Course” of Science Academies (IASc Bangalore- INSA New Delhi- NASI Allahabad) on Experimental Physics at Department of Physics, Government College (A), Rajahmundry, A.P. from 27-06-2014 to 11-06-2014.
4. Attended 15 days “Refresher Course” of Science Academies (IASc Bangalore- INSA New Delhi- NASI Allahabad) on Crystallography, Mineralogy, Igneous Petrology, Thermodynamics, Ore Geology and Organic Geochemistry at IASc Bangalore from 17-09-2016 to 01-10-2016.

5. Attended One week Orientation Workshop on ‘OER, Content Development, MOOCS and MOODLE’ Organized by APCCE, Vijayawada and Electronics & ICT Academy, NIT Warangal, Telangana from 30.11.2018 to 05.12.2018.
6. Attended a Five-day APCCE - US FDP on “New Knowledge in Physics and Energy Materials: Advanced Research Techniques” organized by APCCE, Vijayawada, UL-USA, SU-USA, ECSA-USA from 06-07-2020 to 10-07-2020.
7. Attended a 5 Day FDP in “LMS Video & Pedagogy” organized by APCCE, Vijayawada from 03-08-2020 to 07-08-2020.
8. Attended online Two - Week Interdisciplinary REFRESHER COURSE on “Research Methodology” organized by TLC, Ramanujan College, University of Delhi under the aegis of MINISTRY OF EDUCATION from 22-12-2021 to 05-01-2022 and obtained Grade A+.
9. Attended online Two - Week Interdisciplinary REFRESHER COURSE in “PHYSICS” organized by TLC, Ramanujan College, University of Delhi under the aegis of MINISTRY OF EDUCATION from 28-07-2022 to 11-08-2022 and obtained Grade A+.
10. Attended in the 6 Day Training of the Trainers (ToT) Programme on “**English medium of Instruction, Proficiency in English**” Organized by APCCE, Mangalagiri from 05-06-2023 to 10-06-2023 at Nodal Resource Centre (NRC), Dr. V.S. Krishna Govt. Degree College (A), Visakhapatnam.

Awards/ Fellowships:

1. **Summer Research Fellowship Programme (SRFP) - 2017:** Selected joint IASc-INSANA-SI Summer Research Fellowship Programme under Teacher category through the IASc, Bangalore, and worked on “Synthesis, characterisation and photoluminescence studies of Eu^{3+} doped MgAl_2O_4 ” at IISc Bengaluru, Karnataka under the supervision of Dr. C. Shiva Kumara, Principal Research Scientist, SSCU, IISc during 01-05-2017 to 30-06-2017.
2. **Summer Research Fellowship Programme (SRFP) - 2018:** Selected joint IASc-INSANA-SI Summer Research Fellowship Programme under Teacher category through the IASc, Bangalore, and worked on “Sol-gel synthesis of sodium doped zinc oxide nano-powders and its characterization for structural and optical properties” at NPL, New Delhi under the supervision of Dr. K. K. Maurya, Principal Scientist, BND Division & Associate Professor, AcSIR, CSIR-NPL, New Delhi from 16-05-2018 to 03-08-2018.

Research projects: (Minor Research Project)

1. Sol – gel synthesis and Characterization of nickel (Ni) containing magnesium oxide (MgO) nano – powders [UGC Ref No.: No.F MRP-6846/16 (SERO/UGC), Dated 05 March 2018] of Rs. 345000.

Additional Responsibilities:

1. Co-ordinator, Examination Committee (2015 -2017) at GDC Chodavaram, Anakapalle Dist., A.P.
2. JKC Co-ordinator (2017-2021) at S.G.A. GDC Yellamanchili, Anakapalle Dist., A.P.
3. Placement Co-ordinator (2017-2021) at S.G.A. GDC Yellamanchili, Anakapalle Dist., A.P.
4. NIRF Co-ordinator (2018-2021) at S.G.A. GDC Yellamanchili, Anakapalle Dist., A.P.

Research Publications:

1. **B. Nageswara Rao**, P. Tirupathi Rao, Sk.E. Basha, D.S.L. Prasanna, K. Samatha, R.K. Ramachandra, Exploring the optical and biological aspects of sodium- doped CuO nanoparticles, **Materials Chemistry and Physics**. 308 (2023) 128174. <https://doi.org/10.1016/j.matchemphys.2023.128174>.
2. **B. Nageswara Rao**, P.T. Rao, Sk.E. Basha, D.S.L. Prasanna, K. Samatha, R.K. Ramachandra, Optical response of Eu³⁺-activated MgAl₂O₄ nanophosphors for Red emissive, **J Mater Sci: Mater Electron**. 34 (2023) 955. <https://doi.org/10.1007/s10854-023-10341-w>.
3. **B. Nageswara Rao**, P. Tirupathi Rao, K. Vasudha, Sk. Esub Basha, D.S.L. Prasanna, T. Bhushana Rao, K. Samatha, R.K. Ramachandra, Physiochemical characterization of sodium doped zinc oxide nano powder for antimicrobial applications, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**. 291 (2023) 122297. <https://doi.org/10.1016/j.saa.2022.122297>.
4. S.L. Prasanna Dakineni, **Nageswara Rao Budiredla**, D. Kolli, R.R. Rudraraju, Gold nanoparticles synthesized from Pergulariadaemia leaves extract for Antibacterial, anticancer and UV protection, **Materials Today: Proceedings**. 51 (2022) 928–934. <https://doi.org/10.1016/j.matpr.2021.06.301>.
5. N. Krishna Jyothi, M. Gnana Kiran, V. Naveen Kumar, **B. Nageswara Rao**, S.L. Prasanna D., K. Vijaya Kumar, M.C. Rao, Structural and impedance analysis of PAN-based Na⁺ ion conducting gel polymer electrolytes for energy storage device application, **Materials Today: Proceedings**. 51 (2022) 1164–1167. <https://doi.org/10.1016/j.matpr.2021.07.122>.
6. **Nageswara Rao Budiredla**, A. Kumar, S. Thota, J. Kumar, Synthesis and Optical Characterization of Mg_{1-x}Ni_xO Nanostructures, **ISRN Nanomaterials**. 2012 (2012) 1–8. <https://doi.org/10.5402/2012/865373>.

Teaching Experience: 10 Years

S. No.	College/ Institute	Duration	
1	Govt. Degree College Chodavaram, A.P.	06.02.2012	26.05.2017
2	S.G.A. Govt. Degree College Yellamanchili, A.P.	27.05.2017	24.09.2021
3	Dr. V.S. Krishna Govt. Degree College (A), Visakhapatnam, A.P.	24.09.2021	Till Date

Membership/ BOS

1. Member of Indian Academy Sciences (IASc), Bengaluru
2. Life Member of Indian Science Congress Association (ISCA)

Academic Achievements:

1. Scored **94.40** Percentile (**AIR 166**) in JEST- 2006
2. Scored **98.05** Percentile (**AIR 102**) in GATE-2007
3. Scored **96.36** Percentile (**AIR 210**) in GATE-2008
4. Qualified in **CSIR-UGC (JRF/NET)-2006** (June)
5. Qualified in **CSIR-UGC (LS/NET)-2006** (December)
6. Qualified in **CSIR-UGC (JRF/NET)-2007** (June)
7. Secured **11 Rank** in **AUCET** (M.Sc. Physics Entrance Test) -2004
8. University **Topper** in M.Sc. (Physics) at Andhra University, Visakhapatnam
9. Secured MHRD scholarship for pursuing M. Tech at IIT Kanpur
10. **1st Rank** in APPSC Lecturer (Degree College) Recruitment – 2011
11. **6th Rank** in APPSC Lecturer (Degree College) Recruitment – 2012

Recent National/International Events Attended:

S. No.	Title of the Programme	Duration (From - To)	Organised By
1	UGC Sponsored National Seminar on "Role of IQAC Towards Quality Enhancement and Sustenance from NAAC Perspective"	29.11.2019 - 30.11.2019	Govt. College (A), Rajahmundry & NAAC Bengaluru
2	FDP for JKC Coordinator/Placement Officers and Full Time Mentors	27.12.2019	IQAC, Govt. College (A), Rajahmundry & RJDCE, Rajahmundry, AP
3	2 Day National Level Workshop on "Modern Methods for Teaching - Learning Practices"	12.05.2020 - 13.05.2020	KU, Machilipatnam & APSCHE
4	Indian Summer School on Crystal Growth (ISSCG-2020)	14.05.2020 - 23.05.2020	SSN Institutions (A), Chennai, TN & IACG
5	Two Day International Webinar on "Impact of Covid-19 on Environment and Science & Technology"	26.05.2020 - 27.05.2020	Dept. of Physics & Electronics, PR College (A), Kakinada
6	Virtual scientific event "Chemical Science Frontiers: The Virtual International Conference"	29.05.2020 - 30.05.2020	Dept. of Chemistry, Uka Tarsadia University, Bardoli - India
7	One Day Swachhta Action Plan Online Workshop for Faculty of HEIs in Visakhapatnam District, AP	05.06.2020	Mahatma Gandhi National Council of Rural Education & NSS, AP
8	International Webinar on Recently Advances in Materials Science (IWRAMS-2020)	18.06.2020 - 22.06.2020	Central University of TN & Abinnovus Consulting Pvt. Ltd.
9	APPLICATION OF NEW MATERIALS IN EMERGING FIELD	24.06.2020 - 30.06.2020	Dept. of Physics, SIST (Deemed to be University), Chennai
10	A Five-day APCCE - US FDP on New Knowledge in Physics and Energy Materials: Advanced Research Techniques	06.07.2020 - 10.07.2020	APCCE, Vijayawada, UL-USA, SU-USA, ECSA-USA
11	5 Day FDP in LMS Video & Pedagogy	03.08.2020 - 07.08.2020	APCCE, Vijayawada
12	One-week online FDP on Frontiers in	24.08.2020 - 28.08.2020	Dept. of Physics, MITS,

Materials Science Research

Madanapalle, AP

13	First International Conference on Computations in Materials and Applied Engineering (CMAE-2021)	26.06.2021 - 27.06.2021	Materials Today: Proceedings (Elsevier)
14	Two Weeks International Workshop on Emerging Trends in the field of Science and Technology	16.08.2021 - 28.08.2021	Dept. of Physics, SIST (Deemed to be University), Chennai
15	Five-Day International online FDP on Emerging Trends in Nano Technology (ETNT-2021)	09.11.2021 - 13.11.2021	VIT(A), Bhimavaram, AP & PRL, Ahmedabad, Gujarat
16	Advanced Spectroscopy for Emerging Materials	22.12.2021 - 23.12.2021	CSIR - NPL, New Delhi
17	Zero to Infinity: International Workshop on Career Awareness	18.01.2022 - 22.01.2022	S.U.S. Govt. College, Karnal, Haryana
18	83 rd Annual Meeting of the Academy (IASc Bangalore- INSA New Delhi- NASI Allahabad)	02.11.2017– 05.11.2017	IASc, Bangalore. Held at NEHU, Shillong, Meghalaya.
19	30 th Mid-Year Meeting of the Academy (IASc Bangalore- INSA New Delhi- NASI Allahabad)	27.06.2019 – 29.06.2019	IASc, Bangalore. Held at IISc, Bangalore, Karnataka
20	“Five-Day Master Trainers Training Programme (MTTP)” on Content Delivery and Assessment Methods Pertaining to Skill Courses for I Semester	16.11.2022 - 20.11.2022	APCCE, Mangalagiri at UGC HRDC, AU, Visakhapatnam.
21	One-week FDP on Computational modelling on materials (Online mode)	08.05.2023 - 12.05.2023	Dept. of Physics, MITS, Madanapalle, A.P.
22	International Symposium on Energy “Towards Net-Zero Emissions: A Symposium on Clean Energy Technologies and Strategies”	20.05.2023	School of Sciences, Woxsen University, Hyderabad, Telangana.