

CURRICULUM VITAE

SANDEEP KUMAR N R

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OBJECTIVE:

To explore a novel world of innovative research in the field of Nanomaterials and achieve the goals set with high spirits, hard work and intellectual thinking which paves the way for building up my knowledge assets that promotes the development of team and organization.

EDUCATIONAL QUALIFICATIONS:

Qualification	Stream	University/college/school	CGPA/Percentage	Year of Passing
PhD	Physics	Reva University	-	pursuing
B. Ed	Physics & Mathematics	Singhania university	2 nd year	pursuing
M. Sc	Physics	Tumkur University	64.4%	2018
B. Sc	PMCs	University College of Science, Tumkur University	69.71%	2016
XII	PCMB	Swamy Vivekananda PU College, Pavagada	55.16%	2013
X	All Sub	V S English High School Pavagada	67.36%	2011

RESEARCH INTERESTS:

- Green approaches for the preparation of multifunctional reduced graphene oxide, nanostructured transition metal oxides and graphene intercalated metal oxide composites
- Evaluation of photocatalytic, antioxidant and antimicrobial properties of nanostructured materials
- Preparation of antioxidant rich plant extract for the efficient synthesis of nanostructured materials.

EXPERIENCE:

- Worked as a Project Fellow at the Department of Studies and Research in Chemistry, Tumkur University, Tumkur, Karnataka.
- Proficient in the preparation of graphene oxide, reduction of GO and synthesis of nanostructured metal oxides.

- Well versed with the characterization of metal oxides and reduced graphene oxide using Powder X-ray Diffractometer, SEM and UV – Visible techniques.
- Skilled in the extraction of plant materials, polyphenolic contents and Flavonoid content determinations, Antioxidant and Antimicrobial activity studies.
- Worked as a lab teacher at Ebenezer International School Bangalore (EISB).
- Handling practical's for 9th, 10th, 11th and 12th grades for ICSE, ISC, IGCSE and IB curriculum.
- Worked as a teacher at Heart & Soul tuition center, handling the classes for 9th 10th 11th and 12th grade students.
- Worked as a Science Lab Teacher at Greenwood high international school for ICSE, ISC, IGCSE and IBDP curriculums of 9th, 10th, 11th and 12th grades.
- Experience as an invigilator on board Exams.
- Worked as a Science Lab Teacher at The Cambridge International School for CBSE curriculum of 9th, 10th, 11th and 12th grades.
- Experience as an Evaluator on CBSE 12th Board Exam Physics Paper.
- Working as an Physics Lab In charge at Head Start Education Academy for ICSE, ISC, IGCSE, A Level and As Level curriculums from 9th to 12th grades.

ACADEMIC PROJECTS:

- M. Sc. dissertation entitled “Combustion synthesis of Gd₂O₃:Eu³⁺ Nanoparticles for Structural and Photoluminescence Studies”
- Successfully completed a project on “Eco-friendly Synthesis, characterization and applications of Zinc Oxide, Copper Oxide, Magnesium Oxide and Silver Oxide Nanoparticles synthesized using Gymnema extract”.

TECHNICAL SKILLS:

MS Office, MS Excel, MS power point, Basic Computer Skills.

CONFERENCES:

- International conference on **Nanomaterial's and their applications**, held at university of Mysore, Mysuru, India, during march 1-2, 2018 (paper presentation).
- National conference on “**recent Advancements in Nano-Science and Technology**” (RNST-2017) Held on 21-22nd April 2017 Government Science College, Chitradurga (Paper presentation).

- National conference titled “**Current advances in chemical science**” on 16th March 2018, Organized by the DOSR in Chemistry, University college of science, Tumkur University, Tumkur (Paper presentation).
- “**Workshop on next generation energy storage materials: Challenges and opportunities**” held on 16-17th February 2017 at Department of Physics and Chemistry, School of engineering, Dayanandasagar university, Bangalore.
- National conference on “**Recent Trends in Computer science**” (NCRTCS-2015) held during 8th October 2015 Tumakuru University (Volunteer).
- National conference on “**Recent developments in Mathematics and their Applications**” (NCRDMA-2014) held during 17-18 October 2014 Tumakuru University (Volunteer).
- State level multidisciplinary workshop on “**Emerging trends in basic science and humanities**” held on 26th August 2015, organized by University College of science, Tumkur University, Tumkur, Karnataka, Sponsored by University Grants Commission.

PERSONAL INFORMATION:

Name : SANDEEP KUMAR N R
Father's Name : LATE RAMANAIDU N
Mother's Name : LOKESHWARI N
Address : S/O LATE RAMANAIDU N, SVR 2ND LAYOUT, TEACHERS COLONY, NEAR ROPPPA, PAVAGADA, TUMAKURU (DIST), KARNATAKA, INDIA-561202
Date of Birth : 09-09-1996
Marital status : Unmarried
Nationality : Indian

DECLARATION:

I hereby declare that all the statements made above are true and correct to the Best of my knowledge and belief.

Date:
Place: Bangalore

Signature
 (Sandeep Kumar N R)