

Profile of G. Nagarjuna

1. Name: : **Dr. Gunnam Nagarjuna**
 2. Fathers Name : G. Gopala Krishna
 3. Nationality : Indian
 4. Gender : Male
 5. DOB/ Age : 20-08-1969/ 52 Years
 6. Marital Status : Married
 7. Category : OBC
 8. Present designation and : Lecturer
 Details of institutions Department of Chemistry,
 S.R.R. & C.V.R. Govt. Degree
 College(A),
 VIJAYAWADA – 520 004,
 Krishna Dist., A.P.



9. Communication Address :
 Office : Lecturer,
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 S.R.R. & C.V.R. Govt. Degree College(A),
 VIJAYAWADA – 520 004,
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- Residence : Dr. G. Nagarjuna,
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14. **Educational Qualifications:**

S. No	DEGREE / DIPLOMA	UNIVERSITY / INSTITUTE	YEAR	TOPIC / SPECIALIZATION
1.	B. Sc	Nagarjuna Univ.	1989	Chemistry main
2.	B. Ed	Nagarjuna Univ.	1991	Maths, Physical Sciences
3.	M. Sc	Andhra Univ.	1993	Physical Chemistry
4.	M. Ed	Bharathidasan Univ.	1998	Educational Counselling
5.	M.Phil.	AcharyaNagarjuna Univ., Guntur, A.P.	2006	Solid State Chemistry/Materials Science (Glass ceramics)
6.	Ph.D.	AcharyaNagarjuna Univ., Guntur, A.P.	2010	Solid State Chemistry/Materials Science (Glass ceramics)

15. Teaching / Work Experience:

S. No	Designation	Date		Total years and months	Type of service Govt. Aided/ Un Aided / Private/ recognized
		From	To		
1.	SGT & SA	June 1995	Mar 2001	5 Years	ZP/Govt.
1.	Junior Lecturer	March 2001	Nov 2010	9 years	Govt.
2.	Lecturer	Nov 2010	Till date	10years	Govt.

16. Total years of service : 25years app.

17. Present Designation : Lecturer

18. Research Experience : 15 years

A. Details of Research Publications : 18 (Total no. of Publications)

List of Publications enclosed seperately

B. Research Guidance : Recognised as Research Supervisor by JNTU, Kakinada and Krishna University, Machiipatnam and acting as guide for 2 candidates for Ph D

C. Seminars Attended : International - 03
National - 25

D. Research Interests : Materials Chemistry (Glass-Ceramics, Nanoparticles), Environmental Chemistry

E. UGC Sponsored Research Projects Completed as Project Principal Investigator

Title of the Minor Research Project	Funding Agency	Total Out lay (in lakhs)	Period
Synthesis of Magnesium Doped Calcium Phosphate Glasses with Controllable Degradability	UGC	2.75	2015-17

F. Seminars Organized

Organized UGC Sponsored 2-day National Seminar “Recent Trends in Chemistry and Physics of Materials(RTCPM-2017)” during Sept 15-17, 2017 in SRR & CVR GDC (A), Vijayawada.

G. Membership in Prestigious Scientific / Professional Bodies

Life Member of the
INDIAN ASSOCIATION OF THE NUCLEAR CHEMISTS AND
ALLIED SCIENTISTS, LM 1619

List of Publications by Dr G. Nagarjuna

1. *The structural role of chromium ions on the improvement of insulating character of ZnO-ZnF₂-B₂O₃ glass system by means of dielectric, spectroscopic and magnetic properties*
G. Naga Raju, **G. Nagarjuna**, P.V.V. Satyanarayana, N. Veeraiah,
Physica B : Condensed Matter Physics (ELSEVIER) 373 (2006) 297
2. *Structural influence of aluminum, gallium and indium metal oxides by means of dielectric and spectroscopic properties of CaO-Sb₂O₃-B₂O₃ glass system.*
M. Srinivasa Reddy, G. Nagaraju, **G. Nagarjuna**, N. Veeraiah
Journal of Alloys and Compounds (ELSEVIER) 438 (2007) 41 a
3. *Fe₂O₃ – induced crystallization and the physical properties of lead arsenate glass system*
G. Nagarjuna, N. Venkataramaiah, P.V.V. Satyanarayana, N. Veeraiah,
Journal of Alloys and Compounds (ELSEVIER) 468 (2009) 466-472
4. *Spectroscopic investigations on PbO-As₂O₃ glasses crystallized with TiO₂*
G. Nagarjuna, T. Satyanarayana, V. Ravi Kumar, N. Venkataramaiah,
P.V.V. Satyanarayana, N. Veeraiah,
Philosophical Magazine (Taylor & Francis) 89(2009) 2255-2270
5. *Cobalt ion as structural probe in Pb₂O₃-As₂O₃ glass ceramics*
G. Nagarjuna, T. Satyanarayana, Y. Gandhi, P.V.V. Satyanarayana, N. Veeraiah
Solid State Communications (ELSEVIER) 130 (2010) 9-13
6. *Spectroscopic features of manganese doped tellurite glass ceramics.*
T. Satyanarayana, M.A. Valente, **G. Nagarjuna**, N. Veeraiah
Journal of Physics and Chemistry of Solids (ELSEVIER), 71 (2013) 229-235
7. *Synthesis, Characterization and Spectroscopic Properties of ZnO Nanoparticles,*
Satyanarayana Talam, Srinivasa Rao Karumuri, **Nagarjuna Gunnam**,
ISRN Nanotechnology(HINDAWI), Volume 2012, Article ID 372505, 6 pages
8. *Spectral features of lead arsenate glasses doped with copper oxide*
T. Satyanarayana, **G. Nagarjuna**, K. Ravikiran
Solid State Phenomena Vol. 207 (2014) pp 55-67
© (2014) **Trans Tech Publications**, Switzerland
doi:10.4028/www.scientific.net/SSP.207.55
9. *Dielectric studies on alkali borate glasses mixed with iron oxide*
T. Satyanarayana, K. Srinivasa Rao, N.T.V. Naga Lakshmi, **G. Nagarjuna**
Solid State Phenomena Vol. 207 (2014) pp 69-96
© (2014) **Trans Tech Publications**, Switzerland
doi:10.4028/www.scientific.net/SSP.207.69

10. *Structural features of Copper doped heavy metal oxide based glasses*
T. Satyanarayana, K. Srinivasa Rao, G. Srinivas, **G. Nagarjuna**
International Journal of Current Engg. and Tech., INPRESSCO
<http://inpressco.com/category/ijcet> Special issue-2 (Feb 2014)

11. *Investigation on Luminescence of P_2O_5 -CaO-Na₂O-K₂O:Tm₂O₃ glasses*
T. Satyanarayana, P. Krishna Kanth, **G. Nagarjuna**, B. Nagamani and N. Srinivasa Rao
International Journal of Science and Research (IJSR)
ISSN (Online) : 2319-7064, www.ijsr.net

12. *Synthesis & Characterization of SrO doped Calcium Phosphate Bioactive Glasses*
Proceedings of International Conference on Science and Engineering of Materials for Future Needs, ICSEMF-2015, 21-22 Dec 2015
T. Satyanarayana, B. Nagamani, G. Nagarjuna, G. Srinivasa Rao
ISBN 978-1-329-77555-8 (e-book) P. No. 130-135.

13. *Thermodynamic and Gas Sensing Properties of Cu²⁺ Doped SnO₂ Thin Films*
M.C. Rao, K. Ravindranadh, T. Srikumar, G.V. Ramana and **G. Nagarjuna**
International Journal of Chemical Concepts ISSN:2395-4256 www.chemconsai.com
Vol.01, No.03, pp 114-119, 2015

14. *Structural investigations on P_2O_5 -CaO-Na₂O-K₂O:SrO bioactive glass ceramics*
T. Satyanarayana, M. Vasu Babu, V. Rama Koti Reddy, **G. Nagarjuna**,
P. Venkateswara Rao and P. Syam Prasad
Ceramics International-ELSEVIER, 43 (2017) 10144-10150
<https://doi.org/10.1016/j.ceramint.2017.05.037>

15. *Structural and luminescent properties of Fe³⁺ doped tin oxide thin films by spray pyrolysis*
M.C. Rao, K. Ravindranadh, T. Satyanarayana, **G. Nagarjuna**, R.K.N.R. Manepalli
Optoelectronics and Advanced Materials – Rapid Communications,
(SCI-Expanded) 11(3-4) (2017) 242-245.

16. *Structural investigations on P_2O_5 -CaO-Na₂O-K₂O: SrO bioactive glass ceramics*
T. Satyanarayana, M. Vasu Babu, G. Nagarjuna, D.V. Rama Koti Reddy, P. Venkateswara Rao, P. Syam Prasad, **Ceramics International**
Volume 43, Issue 13, September 2017, Pages 10144-10150
<https://doi.org/10.1016/j.ceramint.2017.05.037>

17. *Structural And Luminescent Properties Of Fe³⁺ Doped Tin Oxide Thin Films By Spray Pyrolysis*
M. C. Rao, K. Ravindranadh, T. Satyanarayana, G. Nagarjuna, R. K. N. R. Manepalli
OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS Vol. 11, No. 3-4, March-April 2017, p. 242 - 245

18. *Preparation and structural characterization of P_2O_5 -CaO-Na₂O: CuO glasses*
Satyanarayana Talam, Rambabu Busi, Nagarjuna Gunnam, P. Syam Prasad,
Venkateswara Rao Penugonda
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS
Vol. 21, No. 7-8, July – August 2019, p. 530 - 535

19. *Optical, electrical and photoluminescence studies on Al₂O₃ doped PVA capped ZnO nanoparticles for optoelectronic device application*
Ravindranadh Koutavarapu, R.K.N.R. Manepalli, B.T.P. Madhav,
T. Satyanarayana, G. Nagarjuna, Jaesool Shim, M.C. Rao

Optik - International Journal for Light and Electron Optics 205 (2020) 164236

<https://doi.org/10.1016/j.ijleo.2020.164236>

20. *Dielectric investigations on metal (Ni and Cu) tetrahydroxy phenyl porphyrins in PMMA polymer matrix*
P. Prasanth, Satyanarayana Talam, Gunnam Nagarjuna , Rambabu Busi,
M.C. Rao, Venkatramaiah Nutalapati
Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.10.027>

Other Academic Activities

- Acted as (Chemistry) **Paper Setter** for Adikavi Nannayya University, Rajahmundry; P.R. Govt. College, Kakinada; D.N.R. College, Bhimavaram; V.S. Krishna College, Visakhapatnam., GDC (W), Guntur and Govt, College (A), Rajamahendravaram.
- Nominated as Adikavi Nannayya University representative for the **Board of Studies Member** of K.G.R.L. College (A), Bhimavaram and Sir C.R. Reddy College, Eluru. (2010-12, 2012-14)
 - Empaneled as Instructor to IGNOU & BRAOU.
- Acted as BoS Member in Chemistry to ASNM Govt. Degree College, Palakollu, W.G. Dist. (2015-17)
- Acting as BoS Member in Chemistry to Maris Stella college, Vijayawada.

M. Srinivasa Reddy, G. Naga Raju, **G. Nagarjuna**, N. Veeraiah.
Journal of Alloys and Compounds (ELSEVIER) 438 (2007) 41

LIFE MEMBER of the
INDIAN ASSOCIATION OF NUCLEAR CHEMISTS & ALLIED SCIENTISTS (IANCAS) LM
1619.