

My Curriculum Vitae (CV)

Part I: Basic Information

Name: **Dr. Rana Sanjay Kumar Singh**
Father's Name: Sri Narendra Kumar Singh
Present Designation: Associate Professor (With effect from 2012)
Date of Birth: 01-01-1970
Date of Joining Nowgong College (Presently upgraded to Nagaon University): 16-07-1997
Date of Retirement: 31-01-2030
E mail id: ranasanjaysingh1@gmail.com

Part II: Educational Qualification

Name of the Examination Passed	Name of the Board/ Council/ University	Year of Passing	Division/ Class
HSLC or Equivalent	BSEB, Patna	1984	I
Higher Secondary	AHSEC, Guwahati	1986	II
B. Sc.	Gauhati University	1989	II
M. Sc.	Gauhati University	1992	I
Others (B. Ed.)	Gauhati University	1994	II
Specialisation	Inorganic Chemistry		
Ph.D	Organomodified Silica Catalyst for Organic Conversions, under the guidance of Dr. Prodeep Phukan, Department of Chemistry, Gauhati University and was awarded degree in 2015.		

Full time teaching experience: 28 years

Research experience after obtaining Ph.D. degree: Till date guided 16 number of students of master degree who are assigned six month research project.

Part III: Total Number of Publications

Number of Papers published in International Journal with Impact Factor: 06

Number of papers published in Peer Reviewed Journal: 02

Book Chapter: 01

Impact Factors:

- Tetrahedron Letters in 2014, the year my paper get published, the Impact Factor: 2.27
- Energy Technology : 3.88
- New Journal of Chemistry: 2.7
- Journal of Chemical Crystallography : 0.6

Details of Publications:

1. Mahanta B., Singh R. S. K., Borthakur L. J., Synergistic tuning of nitrogen-functionalised graphene and molybdenum disulfide with ruthenium oxide nanoparticles for highly sensitive electrochemical detection of folic acid, **Journal of Applied Electrochemistry (2026)** 56:96.
2. Konwar M., Singh R. S. K., Borthakur L. J., Zink Cobalt Sulfide/Reduced Graphene Oxide Nanocomposite for High-Performance Asymmetric Supercapacitor: A microwave-Assisted synthesis, **Energy Technology 2024**.
3. Mahanta B., Mamun H. A., Singh R. S. K., Borthakur L. J., “A sulfonated graphene supported nano copper MoS₂ network for non-enzymatic simultaneous sensing of dopamine and serotonin”, **New Journal of Chemistry 13th September 2023**.
4. Singh, R.S.K, Kashyap, B.Phukan P., “Nicotinic acid functionalized Organomodified Silica as an efficient heterogeneous catalyst for the synthesis of Benzoyl Fumarate”, **Tetrahedron Letters, 54 (2013) 6687–6690**.
5. Singh, R.S.K., Kashyap, B., Phukan, P. “Synthesis of Benzoyl Fumarates with Supported Nicotinic Acid Thioesters” **Synfacts 2014, 10(2), 0223**.
6. Synthesis and structural properties of a 1-D Copper (I) coordination Polymer, Singh, R. S. K., Barman, R. K., Das, B. K., **Journal of Chemical Crystallography, Vol. 32, No-10, 2002**.
7. Singh, R.S.K., Phukan, P., ‘Mesoporous Silica Supported Nicotinic Acid Thioester: An Efficient And Heterogeneous Catalyst for Acetylation of Alcohols’, **Delve, Ed. Nowgong College.,Vol.- IV, p-91-95, (Nov. 2015) ISSN 2278-7402**.
8. Synthesis of Copper(I) iodide nanoparticles as heterogeneous, Green and reusable catalyst for aziridination reaction, **Delve, Ed. Nowgong College.,Vol.- VI, p-40-43, (Aug. 2018) ISSN 2278-7402**.

Book Chapter : Fundamentals of chemicals for laboratory work, SPECTRUM, 2015, Page 101-112, (ISBN 978-81-924066-2—6).

Part IV: Rewards and administrative experience:

1. Received best poster award at National Symposium on Natural Products: Prospects and Perspectives, 21-22 March, 2016; Organised at CSIR-North East Institute of Science and Technology, Jorhat.
2. Attended the Exposure camp conducted at Homi Bhabha Centre for Science Education (HBCSE), Tata Institute of Fundamental Research, Mumbai from 13th Nov. 2014 to 15th Nov. 2014.
3. Awarded Teacher Fellowship for three years under FDP programme of UGC to carry out research work at Gauhati University in 2012.
4. Worked as Head of the department of Chemistry, Nowgong College from October 2016 to October 2018.
5. Worked as Deputy Controller of Examinations, Nowgong College (Autonomous) from 15th of February 2021 to 15th of February 2022.
6. Worked as Controller of Examinations, Nagaon University from August 2023 to January 27, 2026.
7. Acted as returning Officer, Nowgong College Students’ Union Election, 2016 and Teacher In-charge, Major Sports.

Part V: Number of Research Paper published in Proceedings Book of Seminar

Title of the paper	Title of the Seminar	Date of the Seminar	Status of the Seminar	Name of the Organising Institute
1.Acetylation of alcohols with Organommodified Mesoporous silica supported nicotinic acid thioester	National symposium on natural Products: Prospects and Perspectives	March 21-22, 2016.	National	CSIR-NIST, Jorhat, Assam
2.Sulphonic acid functionalised organommodified silica as acetylation catalyst	National Seminar on Frontiers in Science and Technology	March 08-09, 2013	National	Assam Science Society, Gauhati University.
3.Isonicotinic acid functionalised Organommodified Silica as heterogeneous catalyst for acylation reaction	20 th CRSI National Symposium in Chemistry	3 rd -5 th February 2017	National	Department of Chemistry, Gauhati university