



MAHARAJA AGRASEN COLLEGE

University of Delhi

Vasundhara Enclave, Delhi 110096

Curriculum Vitae

First Name	RANVIJAI	Middle Name		Last Name	RAM
Designation	ASSISTANT PROFESSOR		Department	B. Sc. Physical Science (CHEMISTRY)	
Date of Birth	13.08.1979		Date of Joining	17.08.2017	
Residential Address	E- 440, NANDGRAM, MARIAM NAGAR, GHAZIABAD, UTTAR PRADESH, PIN No. 201003, INDIA				
Contact No.	8670530453		Email Id	ranvijai.chemistry@gmail.com	

Educational Qualifications

Degree	Institution	Year	Details
High School	School: H S Inter College Deokali Ghazipur, Uttar Pradesh Board: Board of High School and Intermediate Education Uttar Pradesh	1995	Marks: 360/600 Percentage: 60 % Division: First Subjects: Hindi, English, Mathematics Two, Science Two, Social Science, Biology
Intermediate	School: H S Inter College Deokali Ghazipur, Uttar Pradesh Board: Board of High School and Intermediate Education Uttar Pradesh	1997	Marks: 246/500 Percentage: 49.2 % Division: Second Subjects: General Hindi, English, Physics, Chemistry, Biology
Bachelor of Science (B.Sc.)	College: S. G. R. Post Graduate College, Dobhi (Jaunpur) University: V. B. S. Purvanchal University, Jaunpur	2000	Marks: 988/1800 Percentage: 54.88 % Division: Second Subjects: Chemistry, Zoology, Botany
Master of Science (M.	College: L R College, Sahibabad	2006	Marks: 515/900 Percentage: 57.22 %



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Sc.)	University: Ch. Charan Singh University, Meerut		Division: Second Subjects: Organic Chemistry
Master of Technology (M. Tech.)	Indian Institute of Technology Kharagpur (IIT Kharagpur)	2012	CGPA: 8.22/10 Division: First Subjects: Rubber Technology
Doctor of Philosophy (Ph. D.)	Indian Institute of Technology Kharagpur (IIT Kharagpur)	2017	Thesis topic: Development of Polyvinylidene Fluoride (PVDF) based Conductive Composites for Electromagnetic Interference (EMI) Shielding Application
Specialization	Organic Chemistry, Rubber Technology, Polymer Composites		

Career Profile

Organization/ Institution	Post Held	Adhoc/Temp/ Permanent	From	To	Total Experience
Maharaja Agrasen College, University of Delhi	Assistant Professor	Adhoc	17.08.2017	Continue	5 Years 3 Months

List of research papers published in peer reviewed/ UGC Listed/ Scopus indexed research journals

Title of the article / paper	Journal Name	ISSN	Issue / Vol No.	Year	Whether Peer reviewed/ UGC Listed/ Scopus Indexed Journal	Thomson Reuter Impact Factor
Mechanical, Electrical, and Dielectric Properties of Polyvinylidene Fluoride/Short Carbon Fiber Composites with	Journal of Applied Polymer Science	0021-8995	Issue- 3 Volume- 131,	2013	UGC Listed	3.125



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Low-Electrical Percolation Threshold						
Electrical properties of polyvinylidene fluoride (PVDF)/multi-walled carbon nanotube (MWCNT) semi-transparent composites: Modelling of DC conductivity	Composites Part A: Applied Science and Manufacturing	1359-835X	Volume-69	2015	UGC Listed	9.463
Determination of percolation threshold and electrical conductivity of polyvinylidene fluoride (PVDF)/short carbon fiber (SCF) composites: effect of SCF aspect ratio	Polymer International	0959-8103	Issue-4 Volume-66	2016	UGC Listed	3.213
Electrical conductivity and dynamic mechanical properties of silicon rubber based conducting composites: Effect of cyclic deformations, pressure, and temperature	Polymer International	0959-8103	Issue-9, Volume-66	2017	UGC Listed	3.213
Analysis of electrical and dynamic mechanical response of conductive elastomeric composites subjected to cyclic deformations and temperature	Polymer Composites	0272-8397	Issue-11, Volume-39	2017	UGC Listed	3.531
Physical properties of polyvinylidene fluoride/multi-walled carbon nanotube nanocomposites with special reference to electromagnetic interference shielding effectiveness	Advances in Polymer Technology	0730-6679	Issue-8, Volume-37	2018	UGC Listed	2.502
Electromagnetic interference shielding effectiveness and skin depth of poly(vinylidene fluoride)/	Polymer International	0959-8103	Issue-6, Volume-	2019	UGC Listed	3.213



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particulate nano-carbon filler composites: prediction of electrical conductivity and percolation threshold			68			
Electrical and thermal conductivity of polyvinylidene fluoride (PVDF) – Conducting Carbon Black (CCB) composites: Validation of various theoretical models	Composites Part B: Engineering	1359-8368	Volume 185	2020	UGC Listed	11.322

List of Books (edited/ authored)

Title of the book	Author / Editor	ISBN	Year	Publisher

List of Chapters in a book

Title of the chapter	Title of the book	ISBN	Year	Publisher
Electromagnetic Interference (EMI) Shielding Effectiveness (SE) of Polymer-Carbon Composites	Carbon-Containing Polymer Composites	2364-1878	2018	Springer Series on Polymer and Composite Materials

List of Papers presented/ Invited Lecture/ Resource Person in conferences/ seminars/ workshops/ FDPs

Title of Paper/ Talk/ Subject	Conference / Invited talk/ Resource Person	Title of conference/ seminar/ workshop/ FDP	Level (College/ State/National / International)	Year	Name of Organizer(s)



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Development of polymer based conductive composites	Conference	Advancement s in Polymeric Materials, APM-2012	International	2012	Central Institute of Plastics Engineering and Technology (CIPET), Ahmedabad, India
Electrical and Dielectric properties of PVDF/CNT composite	Conference	International Conference on Rubber and Rubber - like Materials (ICRRM 2013)	International	2013	Rubber Technology Centre, Indian Institute of Technology Kharagpur, Kharagpur, India
Mechanical, Electrical, and Dielectric Properties of Polyvinylidene Fluoride/Short Carbon Fiber Composites with Low-Electrical Percolation Threshold	Conference	International Conference on Functional Materials (ICFM 2014)	International	2014	Materials Science Centre, Indian institute of technology Kharagpur, Kharagpur, India
Effect of Multiwall Carbon Nanotube (MWCNT) on Morphology, Mechanical, and Thermal Properties of Polyvinylidene Fluoride (PVDF)	Conference	International Conference on Polymers and Allied Materials (ICPAM 2014)	International	2014	Department of Materials Science and Engineering, Indian Institute of Technology Patna (IITP), in association with Hari Shankar Singhania Elastomer and Tyre Research Institute (HASETRI). Hotel Maurya, Patna, India
Electrical properties and DC conductivity modelling of Polyvinylidene	Conference	International symposium on Polymer Science and Technology	International	2015	Indian Association for the Cultivation of Science, Kolkata, India



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fluoride (PVDF)/multi-walled carbon nanotube (MWCNT) composites		(MACRO 2015)			
Effect of Aspect Ratio of carbon Fiber on Electrical and Dielectric Properties of Polyvinylidene Fluoride (PVDF)/Short Carbon Fiber (SCF) Composites	Conference	The 31st International Conference of the Polymer Processing Society (PPS 31)	International	2015	ICC Jeju, Jeju, South Korea
Mechanical, electrical, dielectric and thermal property of Polyvinylidene fluoride (PVDF)/Conducting Carbon Black (CCB) and Poly(vinylidene fluoride-co-hexafluoropropylene) (PVDF-HFP)/(CCB) composites	Conference	The 32nd International Conference of the Polymer Processing Society (PPS 32)	International	2016	Lyon, France
Green method of preparation of Polyvinylidene Fluoride (PVDF)- Carbon Nanotube	Conference	International Conference on Advancing Green Chemistry: Building a	International	2017	Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of



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(MWCNT) Based Nanocomposites: Physico-mechanical properties		Sustainable Tomorrow			Delhi, New Delhi, India
	Workshop	SciFinder and its new features	College	2014	SciFinder and IIT Kharagpur
	Workshop	Author Workshop	College	2015	Springer and Indian Institute of Technology, Kharagpur
	Workshop	Green Chemistry Courses held during the International Conference on 'Advancing Green Chemistry: Building a Sustainable Tomorrow'	International	2017	Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi
	Seminar	E-Procurement: A step Towards Transparent Digital India	College	2018	Internal Quality Assurance Cell (IQAC), Maharaja Agrasen College, University of Delhi
	FDP	MAC eLearning and Digital Content Creation	College	2019	Maharaja Agrasen College, University of Delhi
	FDP	eLearning and Digital Content	College	2020	IQAC and AKC, Maharaja Agrasen College,



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		Creation			University of Delhi
	Webinar	Covid 19 Pandemic: A Crisis of Human Health or Planet Health?" "Covid 19 Conundrum: Rethinking Strategies and Practices	International	2020	Maharaja Agrasen College, University of Delhi
	Webinar	Covid 19 Pandemic: A Crisis of Human Health or Planet Health?" "Covid 19 Pandemic: Challenges and Governmental Response	International	2020	Maharaja Agrasen College, University of Delhi
	Webinar	An Analysis of Opting Old Tax Rates Regime for Financial Year 2020-21	National	2020	Internal Quality Assurance Cell (IQAC), Maharaja Agrasen College, University of Delhi
	Webinar	Enhancing 'Research Interest' of Research Publication	National	2020	Internal Quality Assurance Cell (IQAC), Maharaja Agrasen College, University of Delhi
	FDP	Basic IT tools, Advanced Spreadsheet Tools and	National	2022	University of Delhi in collaboration with GAD-TLC of the Ministry of Education



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		Statistical Software Package with SPSS			

PhD Research Guidance

Name of the Scholar	Year of registration	Affiliating University	Status (Ongoing/ Thesis Submitted/ Awarded)

Research projects

Title	Period		Sanctioned Amount	Sponsoring/Funding Agency
	From	To		

I certify that the information given above is correct and factual to the best of my knowledge.

Date: 27-11-2022

Dr. Ranvijai Ram