



**MAHARAJA AGRASEN  
COLLEGE**  
University of Delhi  
VASUNDHARA ENCLAVE, DELHI-110096



**Curriculum Vitae of Faculty Members**

First Name	RANVIJAI	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 (Optional)	E- 440, Nandgram, Ghaziabad, Uttar Pradesh, Pin No. 201003, India		
Contact No	8670530453	Alternate Contact No	8617662790
Email Id	<a href="mailto:ranvijai.chemistry@gmail.com">ranvijai.chemistry@gmail.com</a>		
<b>Education</b>			
Subject	Institution	Year	Details
Ph.D	Indian Institute of Technology Kharagpur	2017	Thesis Title: Development of Polyvinylidene Fluoride (PVDF) Based Conductive Composites for Electromagnetic Interference (EMI) Shielding Application
M.Phil			
Masters M. Sc.	College: L R College, Sahibabad, University: Ch. Charan Singh University, Meerut	2006	Chemistry
Graduation B. Sc.	College: S. G. R. Post Graduate College, Dobhi (Jaunpur) University: V. B. S. Purvanchal University, Jaunpur	2000	Chemistry, Zoology, Botany
Any other Master of Technology (M. Tech.)	Indian Institute of Technology Kharagpur	2012	Rubber Technology
<b>Career Profile (in reverse chronological order)</b>			

Organization/ Institution	Post Held	Department	Adhoc/Temp/ Permanent	From	To
Maharaja Agrsen College, University Of Delhi	Assistant Professor	B. Sc. Physical Science, Chemistry	Adhoc	17.08.2017	Continue

**Administrative Assignments if any (kindly mention only statutory posts)**

#### **Research Guidance**

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|---|--------------|
| <b>1. Supervision of awarded Doctoral Thesis</b>              | <b>(no.)</b> |
| <b>2. Supervision of Doctoral Thesis, under progress</b>      | <b>(no.)</b> |
| <b>3. Supervision of awarded M.Phil dissertations</b>         | <b>(no.)</b> |
| <b>4. Supervision of M.Phil dissertations, under progress</b> | <b>(no.)</b> |

#### **Details of Published Research Papers, Books, Monographs, Reviews, Chapter in Books, Translations and Creative Positons held**

Year of Publication	Title	ISBN No	Paper / Book / Article	Publisher	Author / Co-Author
2013	Mechanical, Electrical, and Dielectric Properties of Polyvinylidene Fluoride/Short Carbon Fiber	ISSN: 0021-8995	Paper	Journal of Applied Polymer Science	Author

	Composites with Low-Electrical Percolation Threshold				
2014	Electrical properties of polyvinylidene fluoride (PVDF)/multi-walled carbon nanotube (MWCNT) semi-transparent composites: Modelling of DC conductivity	ISSN: 1359-835X	Paper	Composites Part A: Applied Science and Manufacturing	Author
2016	Determination of percolation threshold and electrical conductivity of polyvinylidene fluoride (PVDF)/short carbon fiber (SCF) composites: effect of SCF aspect ratio	ISSN: 0959-8103	Paper	Polymer International	Author
2017	Electrical conductivity and dynamic mechanical properties of silicon rubber based conducting composites: Effect of cyclic deformations, pressure, and temperature	ISSN: 0959-8103	Paper	Polymer International	Co-Author
2017	Analysis of electrical and dynamic mechanical response of conductive	ISSN: 0272-8397	Paper	Polymer Composites	Co-Author

	elastomeric composites subjected to cyclic deformations and temperature				
2018	Physical properties of polyvinylidene fluoride/multi- walled carbon nanotube nanocomposites with special reference to electromagnetic interference shielding effectiveness	ISSN: 0730-6679	Paper	Advances in Polymer Technology	Author
2018	Electromagnetic Interference (EMI) Shielding Effectiveness (SE) of Polymer-Carbon Composites	ISSN/ISBN No. 2364- 1878	Book Chapter	Springer Series on Polymer and Composite Materials	Author
2019	Electromagnetic interference shielding effectiveness and skin depth of poly(vinylidene fluoride)/particulate nano-carbon filler composites: prediction of electrical conductivity and percolation threshold	ISSN: 0959-8103	Paper	Polymer International	Author
2020	Electrical and thermal conductivity of polyvinylidene fluoride (PVDF) – Conducting Carbon Black (CCB) composites:	ISSN: 1359-8368	Paper	Composites Part B: Engineering	Author

	Validation of various theoretical models				
<b>Participation in conferences, seminars, workshops, refreshers, orientation courses attended, summer institutes etc.</b>					
State/National International	Title	Organization	Period		
International	International Conference on “Advancements in Polymeric Materials” APM-2012	Central Institute of Plastics Engineering and Technology (CIPET), Ahmedabad, India	February 10-12, 2012		
International	International Conference on Rubber and Rubber - like Materials (ICRRM 2013)	Rubber Technology Centre, Indian Institute of Technology Kharagpur, Kharagpur, India	March 6-9, 2013		
International	International Conference on Functional Materials (ICFM 2014)	Materials Science Centre, Indian institute of technology Kharagpur, Kharagpur, India	February 5-7, 2014		
International	International Conference on Polymers and Allied Materials (ICPAM 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	May 30-31, 2014		
International	International symposium on Polymer Science and Technology (MACRO 2015)	Indian Association for the Cultivation of Science, Kolkata, India	January 23-26 2015		
International	The 31st International Conference of the Polymer Processing Society (PPS 31)	ICC Jeju, Jeju, South Korea	June 7-11, 2015		
International	International Conference of the Polymer Processing Society (PPS 32)	Lyon, France	July 25-29, 2016		
International	International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow	Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi, New Delhi, India	October 3-4, 2017		

National	Visit cum training on Rubber Processing and Technology	Rubber Training Institute, Rubber Board, Kottayam	December 13-15, 2010
National	Workshop on SciFinder and its new features	Indian institute of technology Kharagpur, Kharagpur, India	January 9, 2014
National	Springer, Author workshop	Springer and Indian Institute of Technology, Kharagpur	January 16, 2015
International	Workshop on Advancing Green Chemistry: Building a Sustainable Tomorrow	Green Chemistry Network Centre, Department of Chemistry, University of Delhi and Hindu College, University of Delhi	October 3-4, 2017
National	Seminar on “E-Procurement: A step Towards Transparent Digital India”	Internal Quality Assurance Cell (IQAC), Maharaja Agrasen College, University of Delhi	January 10, 2018
National	Faculty Development Program “MAC eLearning and Digital Content Creation”	Maharaja Agrasen College, University of Delhi	April 15-24, 2019
National	Faculty Development Program “eLearning and Digital Content Creation”	IQAC and AKC, Maharaja Agrasen College, University of Delhi	January 14-28, 2020
International	First International Webinar series “COVID 19 PANDEMIC: A CRICIS OF HUMAN HEALTH OR PLANET HEALTH?” June 5-10, 2020, “COVID 19 Conundrum: Rethinking Strategies and Practices”	Maharaja Agrasen College, University of Delhi	June 5, 2020
International	First International Webinar series “COVID 19 PANDEMIC: A CRICIS OF HUMAN HEALTH OR PLANET HEALTH?” June 5-10, 2020 “COVID 19 Pandemic: Challenges and Governmental Response”	Maharaja Agrasen College, University of Delhi	June 6, 2020
National	National Webinar on “An Analysis of Opting Old Tax Rates Regime for Financial Year 2020-21”	Internal Quality Assurance Cell (IQAC), Maharaja Agrasen College, University of Delhi	June 2, 2020
National	National Webinar on “Enhancing ‘Research Interest’ of Research Publication”	Internal Quality Assurance Cell (IQAC), Maharaja Agrasen College, University of Delhi	June 3, 2020

<b>Research Projects (Major Grants/Research Collaboration)</b>				
<b>Project Investigator</b>	<b>Awards and Distinctions</b>		<b>Association with Professional Bodies</b>	
<b>Public Service/University Service/Consulting Activity</b>				
<b>Professional Societies Memberships</b>				
<b>Projects /Collaborations</b>				
<b>Title of the Project</b>	<b>Major/Minor</b>	<b>Funding Agency</b>	<b>Status</b>	<b>Level (International, National, State, University, College)</b>

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

**Date: 24-08-2020** \_\_\_\_\_

**Signature** \_\_ **Dr. Ranvijai Ram** \_\_