




# GALGOTIAS COLLEGE OF ENGINEERING AND TECHNOLOGY

1, Knowledge Park-II, Greater Noida, Uttar Pradesh, 201310

## FACULTY PROFILE

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|--|--|-------------------------|------------------------------------|---|
| <b>Name of Faculty</b>                       | Dr. Sachin Kumar   |                         |                                    |  |
| <b>Designation</b>                           | Associate Professor  |                         |                                    |   |
| <b>College and Department</b>                | Electronics & Communication Engineering<br>Galgotias College of Engineering and Technology, Greater Noida  |                         |                                    |   |
| <b>Google Scholar ID</b>                     | <a href="https://scholar.google.co.in/citations?user=eQOQXjgAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=eQOQXjgAAAAJ&amp;hl=en</a>  |                         |                                    |   |
| <b>Qualification</b>                         | <b>UG:</b> B.Tech.   | <b>PG:</b> M.Tech.      |                                    |   |
| <b>Ph.D.</b>                                 | <b>Specialization:</b> RF & Microwave<br><br><b>Title:</b> Design and Analysis of Microstrip Antenna for Circular Polarization   |                         |                                    |   |
| <b>Experience in Years</b>                   | <b>Teaching:</b> 10  | <b>Industry:</b> 00     | <b>Research:</b> 04                |   |
| <b>No. of Papers Published in Journals</b>   | <b>National:</b> ---   |                         | <b>International:</b> 160          |   |
| <b>No. of Paper Published in Conferences</b> | <b>National:</b> 05  |                         | <b>International:</b> 52           |   |
| <b>No. of Books/ Books Chapters</b>          | <b>Books published:</b> 01   | <b>Books edited:</b> 02 | <b>Book chapters published:</b> 14 |   |
| <b>No. of Patents</b>                        | <b>Published:</b> 04   |                         | <b>Granted:</b> 04                 |   |
| <b>Number of Ph.D./ PG/ UG Guided</b>        | <b>Ph.D.:</b> 02   | <b>PG:</b> 01           | <b>UG:</b> 40                      |   |
| <b>Details of Professional Membership</b>    | <ul style="list-style-type: none"> <li>• Member, Asian Council of Science Editors (ACSE)</li> <li>• Member, Society of Chemical Industry (SCI)</li> <li>• Member, Indian Science Congress Association (ISCA)</li> <li>• Full Member, Korean Institute of Electromagnetic Engineering and Science (KIEES)</li> <li>• Life Member, Indian Society for Technical Education (ISTE)</li> <li>• Fellow, Institution of Electronics and Telecommunication Engineers (IETE)</li> </ul>   |                         |                                    |   |
| <b>Details of Achievements/Awards</b>        | <ul style="list-style-type: none"> <li>• Featured in the list of “<b>World’s Top 2% Scientists</b>” in the 2023, 2022, 2021 and 2020 database released by Stanford University, USA and Elsevier.</li> <li>• Received an <b>Appreciation Certificate</b> and a <b>Memento</b> as the <b>Best Researcher</b> in the SRM Institute of Science and Technology, Chennai on <b>Research Day</b> held on 28 February 2023.</li> <li>• Received <b>Best Paper Award</b> in the <b>IEEE International Conference on Integrated Circuits and Communication Systems</b>, Raichur, 24–25 February 2023.</li> </ul> |                         |                                    |   |

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|  | <ul style="list-style-type: none"> <li>• Published a <b>Featured Article</b> in <i>IEEE Transactions on Biomedical Engineering</i> in the November 2022 issue. <b>(IF: 4.4)</b></li> <li>• Received <b>Certificate of Honor</b> from SRM Institute of Science and Technology, Chennai in recognition of ‘World’s Top 2% Scientists’ during the academic year 2021–2022.</li> <li>• Received <b>Appreciation Certificate</b> from SRM Institute of Science and Technology, Chennai for ‘Teaching and Research’ during the academic year 2021–2022.</li> <li>• Received <b>Best Paper Award</b> in the <i>10th IEEE International Conference on Internet of Everything, Microwave Engineering, Communication and Networks</i>, Jaipur, 1–2 December 2021.</li> <li>• Published an <b>Editor’s Choice Article</b> in the <i>Journal Sensors (MDPI)</i> in 2020–2021. <b>(IF: 3.4)</b></li> <li>• Received <b>Appreciation Certificate</b> from the <i>International Journal of RF and Microwave Computer-Aided Engineering (Wiley)</i> for publishing top-cited papers in 2019–2020 and 2020–2021. <b>(IF: 0.9)</b></li> <li>• Received <b>Appreciation Certificate</b> from the <i>Microwave and Optical Technology Letters (Wiley)</i> for publishing a top downloaded paper in 2018–2019. <b>(IF: 1.0)</b></li> <li>• Received <b>Appreciation Certificate</b> from the <i>International Journal of RF and Microwave Computer-Aided Engineering (Wiley)</i> for publishing a top downloaded paper in 2018–2019. <b>(IF: 0.9)</b></li> <li>• Received <b>Brain Korea (BK) 21 Plus Research Fellowship</b> by the National Research Foundation, South Korea.</li> <li>• Received <b>Post-Doctoral Research Fellowship</b> from the Ministry of Education, South Korea.</li> <li>• Received <b>Teaching-cum-Research Fellowship (TRF)</b> by the Government of NCT of Delhi, India.</li> <li>• Recognized as <b>Outstanding Reviewer</b> by the <i>AEU–International Journal of Electronics and Communications (Elsevier)</i> in 2018. <b>(IF: 3.0)</b></li> <li>• Received <b>Best Paper Award</b> in the <i>IEEE 5G Summit on “Context-Aware Communications for the Secured Environment”</i>, Chennai, 16–17 November 2017.</li> <li>• Biography listed in <i>Marquis Who's Who in the World 2016 (33rd Edition)</i>.</li> </ul> |
| <p><b>Details of Grants fetched</b></p>                      | <ul style="list-style-type: none"> <li>• Design and Development of Flexible Smart Textiles Integrated with Antenna for Wearable Applications from Ministry of Textiles, Govt. of India (Grant: 49.94 Lakh)</li> <li>• Development of AI/ML Based Methods for the PHY Layer of Beyond 5G Systems from Samsung R&amp;D Institute India–Bangalore</li> </ul>   |
| <p><b>No. of STTPs/ FDPs attended as Resource Person</b></p> | <ul style="list-style-type: none"> <li>• Delivered a talk on “Patch Antennas for Contemporary Wireless Communication Systems” in one-week FDP on ‘Modelling, Simulation, and Measurement of High Frequency Antennas for Advanced Wireless Communication’ at Meerut Institute of Engineering &amp; Technology, Meerut on 1 August 2022.</li> <li>• Delivered a talk on “Basic of Microstrip Antennas and Measurements” in the Online Short Term Course (STC) on ‘Antenna Design using Soft Computing Algorithms’ conducted by National Institute of Technical Teachers Training &amp; Research (NITTTR), Chandigarh on 25 July 2022.</li> </ul>  |

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|   | <ul style="list-style-type: none"> <li>• Delivered a talk on “Printed/Flexible Antennas for Next-Generation Wireless Applications” in the FDP on ‘Recent Advancements in Organic &amp; Nano-Electronics (RAONE 21)’ at SRM Institute of Science and Technology, Chennai on 10 October 2021.</li> <li>• Delivered a talk on “Recent Trends in Antenna Engineering” in the FDP on ‘Emerging Trends in Electronics and Communication Engineering’ at Bharati Vidyapeeth’s College of Engineering, New Delhi on 15 July 2021.</li> <li>• Delivered a lecture on “Recent Trends in Antennas for Contemporary Wireless Communications” in one-week International Workshop on ‘Recent Advancement on Electronics and Computer Intelligence (RAECI-2021)’ at Sambalpur University Institute of Information Technology, Odisha on 29 April 2021.</li> <li>• Delivered a talk on “Recent Trends in Antenna Engineering using AI” in the FDP on ‘Applications and Perspectives of Artificial Intelligence in Electronics and Communication Engineering (APAIECE-21)’ at IcfaiTech, ICFAI Foundation for Higher Education, Hyderabad on 20 March 2021.</li> <li>• Delivered a technical talk on “Recent Trends in Antenna Engineering and Wireless Communications” at the Institute of Technical Education and Research, Siksha 'O' Anusandhan (Deemed to be) University, Bhubaneswar on 23 January 2021.</li> </ul> |                    |                              |
| <b>No. of Conferences/ Seminars/ STCs/ STTPs/ FDPs attended</b> | <b>Conferences: 20</b>   | <b>Seminar: 06</b> | <b>STCs/ STTPs/ FDPs: 20</b> |
| <b>No. of SWAYAM/ MOOCs attended with certification</b>         | 02   |                    |                              |