

Neha Chauhan

Post-Doctoral Researcher,
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Education



- Ph.D. (Bio-Nano Science Fusion), Graduate School of Interdisciplinary New Science, Toyo University, Japan (2011-2014)
- M.Sc. (Electronics), Jamia Millia Islamia, Delhi, India (2007-2009)
- B.A.Sc. (Electronics), Shaheed Rajguru College of Applied Sciences for Women (SRCASW), University of Delhi, India (2004-2007)

Research and Professional Experience

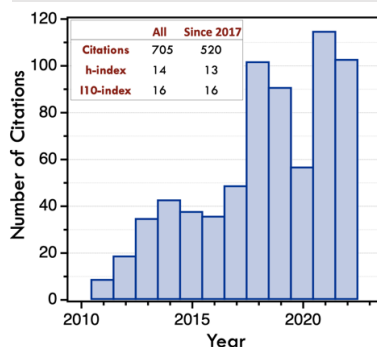
- Post-Doctoral Researcher, Indian Institute of Science, Bengaluru. (2018-Present)
- Post-Doctoral Researcher, Toyo University, Japan (2014-2018)
- Research Assistant, Toyo University, Japan (2011-2014)
- Project Assistant, National Physical Laboratory, New Delhi, India (2009-2011)
- Research Intern, National Physical Laboratory, New Delhi, India (2009)

Professional Recognitions, Awards, Prizes & Fellowship



- Received C.V. Raman Post-Doctoral Fellowship (2020-2022)
- Received Dr. D.S. Kothari Post-Doctoral Fellowship (2019-2020)
- Cover Page Articles, Advanced Functional Materials (2015) and Materials Express (2014)
- Best Poster Awards, IUMRS-ICYRAM (2016) and Nanosmat (2014)
- Japanese Government MEXT Scholarship (2011-2014)
- All-Rounders Award, SRCASW, University of Delhi, India (2007)

Representative List of Publications (2022-2010)



Year

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<https://scholar.google.co.in/citations?user=YJ1krPcAAAAJ&hl=en>

- D. Shahdeo*, N. Chauhan*, A. Majumdar, A. Ghosh, S. Gandhi. *ACS Appl. Bio Mater.* (2022); 5, 7, 3563–3572. (**Equally Contributed*)
- S. Sett, A. Parappurath, N.K. Gill, N. Chauhan, and A. Ghosh. *Nano Ex.*, (2022); 3, 014001 (1-26).
- N. Keswani, R.J.C. Lopes, Y. Nakajima, R. Singh, N. Chauhan, T. Som, D.S. Kumar, A.R. Pereira, P. Das. *Sci Rep.*, (2021); 11, 13593.
- R. Dutta, S. Kakkur, P. Mondal, N. Chauhan, J. K. Basu. *J. Phys. Chem. C.*, (2021); 125, 15, 8314–8322.
- A. Roberts*, N. Chauhan*, S. Islam, S. Mahari, B. Ghawri, R. K. Gandham, S. S. Majumdar, A. Ghosh, S. Gandhi. *Sci. Rep.*, (2020); *Sci Rep* 10, 14546. (**Equally Contributed*).
- N. Keswani, Y. Nakajima, N. Chauhan, T. Ukai, H. Chakraborti, K. D. Gupta, T. Hanajiri, S. Kumar, Y. Ohno, H. Ohno, and P. Das. *Appl. Phys. Lett.*, (2020); 116, 102401.
- N. Keswani, Y. Nakajima, N. Chauhan, S. Kumar, H. Ohno, P. Das. *AIIP Conference Proceedings* (2018); 1953, 050071.
- V. Palaninathan, S. Raveendran, A.K. Rochani, N. Chauhan, Y. Sakamoto, T. Ukai, T. Maekawa and D.S. Kumar. *J Tissue Eng Regen Med.*, (2018); 12(7), 1634-1645.
- S. Dhanekar, P. Dwivedi, N. Chauhan, V. Palaninathan, D.S. Kumar, Pushpapraj Singh. *2017 IEEE Sensors*, (2017); 1-3.
- P. Diwedi, N. Chauhan, V. Dhyani, D.S. Kumar, S. Dhanekar. *Proceedings of the 17th IEEE International Conference on Nanotechnology (IEEE Nano)* (2017); 946 - 950.
- A. Roychoudhury, A. Prateek, N. Chauhan, D.S. Kumar, S. Basu, and S. K. Jha. *ChemistrySelect*, (2017); 2, 6118 – 6128.
- M. Kumar, S. Kumar, N. Chauhan, D.S. Kumar, V. Kumar and R. Singh. *Semicond. Sci. Technol.*, (2017); 32 (8), 085012.
- N. Chauhan, T. Maekawa, D.S. Kumar. *Journal of Materials Research*, (2017); 32(15), 2860-2882.
- P. Dwivedi, N. Chauhan, V. Palaninathan, S. Das, D.S. Kumar, S. Dhanekar. *Sens. Actuators B-Chem.* (2017); 249, 602-610.
- A. Jindal, S. Basu, N. Chauhan, T. Ukai, D.S. Kumar, K.T. Samudhyatha. *J. Power sources* (2017); 342, 165–174.
- N. Chauhan, V. Palaninathan, S. Raveendran, A.C. Poullose, Y. Nakajima, T. Hasumura, T. Uchida, T. Hanajiri, T. Maekawa, D.S. Kumar. *Advanced Materials Interfaces* (2015); 2(5), 1400515.
- S. Raveendran, N. Chauhan, V. Palaninathan, Y. Nagaoka, Y. Yoshida, T. Maekawa, D.S. Kumar. *Part. Part. Syst. Charact.* (2015); 32, 54–64.
- V. Palaninathan, N. Chauhan, A.C. Poullose, S. Raveendran, T. Mizuki, T. Hasumura, T. Fukuda, H. Morimoto, Y. Yoshida, T. Maekawa, D.S. Kumar. *Mater. Express* (2014); 4, 415–421.
- S. Raveendran*, N. Chauhan*, Y. Nakajima, H. Toshiaki, S. Kurosu, Y. Tanizawa, R. Tero, Y. Yoshida, T. Hanajiri, T. Maekawa, P.M. Ajayan, A. Sandhu, and D. S. Kumar. *Part. Part. Syst. Charact.* (2013); 30(7): 573-578. (**Equally Contributed*).
- S. Raveendran, V. Palaninathan, N. Chauhan, Y. Sakamoto, Y. Yoshida, T. Maekawa, P.V. Mohanan, D.S. Kumar. *Carbohydrate Polymers* (2013); 98: 108–115.
- N. Chauhan, S. Gupta, N. Singh, S. Singh, S.S. Islam, K.N. Sood, R. Pasricha. *J. Colloid Interface Sci.* (2011); 363: 42–50.
- S.R. Dhakate, N. Chauhan, S. Sharma, R.B. Mathur. *CARBON* (2011); 49: 4170–4178.
- S.R. Dhakate, N. Chauhan, S. Sharma, J. Tawale, S. Singh, P.D. Sahare, R.B. Mathur. *CARBON* (2011); 49: 1946–1954.
- S.R. Dhakate, N. Chauhan, S. Sharma and R.B. Mathur. *Adv. Mat. Res.* (2011); 306-3-7, 1435-1439.
- S.R. Dhakate, S. Sharma, N. Chauhan, R.K. Seth and R.B. Mathur. *Int. J. Hydrogen Energy* (2010); 35: 4195–4200.