
AUTHOR'S RELEVANT PUBLICATIONS

Journals:

1. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Rajiv Prakash, and Satyabrata Jit, "Electrical and Ammonia Gas Sensing Properties of Poly(3, 3''-dialkylquaterthiophene) Based Organic Thin Film Transistors Fabricated by Floating-Film Transfer Method," *Organic Electronics*, vol. 48, pp. 53-60, 2017.
2. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Rajiv Prakash, and Satyabrata Jit, "Flexible poly(3, 3''-dialkylquaterthiophene) based interdigitated metal-semiconductor-metal ammonia gas sensor," *Sensors & Actuators B: Chemical*, vol. 255, pp. 203–209, 2018.
3. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Smrity Ratan, Rajiv Parakash, and Satyabrata Jit, "Poly(3, 3''-dialkylquaterthiophene) Based Flexible Nitrogen Dioxide Gas Sensor," *IEEE Sensor Letters*, vol. 2, no. 1, pp. 1-4, 2018.
4. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Amit Kumar, Rajiv Prakash, and Satyabrata Jit, "Electrical and Ammonia Gas Sensing Properties of PQT-12/CdSe Quantum Dots Composite Based Organic Thin Film Transistors," *IEEE Sensors Journal*, vol. 18, no. 15, pp. 6085-6091, 2018.
5. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Rajiv Prakash, and Satyabrata Jit, "Electrical and Optical Characteristics of PQT-12 Based Organic TFTs Fabricated by Floating-Film Transfer Method," *IEEE Transactions on Nanotechnology*, vol. 17, no. 6, pp. 1111–1117, 2018.

Conferences:

1. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Rajiv Prakash, and Satyabrata Jit, "Photoresponse in Poly (3, 3''-dialkylquarterthiophene) Based Metal-Semiconductor-Metal Structure," *Optics & Photonics Taiwan, the International Conference (OPTIC)*, Taipei, Taiwan.
2. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Rajiv Prakash, and Satyabrata Jit, "Poly(3, 3''-dialkylquarterthiophene) Based Organic Thin Film Transistor Under Green Light Illumination," *Nanotechnology Materials and Devices Conference (NMDC)*, Singapore, 2017.
3. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Deepak Kumar Jarwal, Rajiv Prakash, and Satyabrata Jit, "Fabrication and Electrical Characterizations of Poly(3,3''-dialkylquarterthiophene) Based Flexible Schottky Diode," *Nanotechnology for Instrumentation and Measurement Workshop (NANOIM)*, Greater Noida, India, 2017.
4. **Chandan Kumar**, Gopal Rawat, Hemant Kumar, Yogesh Kumar, Smrity Ratan, Ashwini Kumar Mishra, Rajiv Prakash, and Satyabrata Jit, "Poly(3, 3''-dialkylquarterthiophene)/ZnO Quantum Dots Based Hybrid p-n Junction Diode," *International Conference on Microwave and Photonics*, Dhanbad, India, 2018.

Presentation in International Summer Institute

1. **Chandan Kumar**, IC-IMPACTS Summer Institute Fellowship for "Low Concentration Ammonia Detection Using Organic Field Effect Transistor" in Summer Institute on Nanotechnologies for Safe & Sustainable Infrastructure, Integrated Water Management and Public Health, hosted by the University of Alberta, Edmonton, Alberta, Canada during May 28 to June 4, 2016.
2. **Chandan Kumar**, DST-CEFIPRA Fellowship for "Fabrication and Characterization of Organic Thin Film Devices for Sensing Applications," in European School on Nano science and Nanotechnology (ESONN) organised by Université Grenoble Alpes, Grenoble, France during Aug. 26 to Sep. 15, 2018.