

13. Question No. 14

Patents filed

Sl.No	Details of Patent	Date of filing
1	Patent filed (Application No. 201841032445) was entitled as "Antitumor and antimicrobial efficacy of bioconjugate of silver nanoparticles produced by endophyte isolated from <i>Withaniasomnifera</i> (L.)".	30-08-18
2	Polyvinyl Alcohol Based Nanocomposite Films Fabricated With Zinc Oxide Nanoparticles And Clove Oil For Antimicrobial Application (2018). (App. Number: TEMP/E1/215/2019-CHE), Reference number: 201941000238 titled.	03-01-19
3	MWCNTs reinforced polymer blend nanocomposite of Poly(trimethylene terephthalate) and Polypropylene for EMI shielding application; Patent Application No: 201841003768	2018
4	Filler localization in rubber blends for tyre applications	Patent Application No: 201841040330
5	Invention of High Performance EMI Shielding Coating From Low Cost Carbon Black with XLPE	Patent Application No: 201841040343
6	Nano Cellulose based EMI shields preparation and thereof.	Patent Application No: 201841040344

7	Flexible polymer nanocomposites for EMI Shielding	Patent Application No: 201841040348
8	Designing of Superior Nanodielectric XLPE/Al ₂ O ₃ Nanocomposite	Patent Application No: 201841040356
9	Solid one dimensional conducting polymer fibers using electrospinning	Patent Application No: 201841040346
10	High K-dielectric modified Multi-walled Carbon nanotube/Poly Vinyl Chloride nanocomposites based on for temperature sensor applications	Patent Application No: 201841040345
11	Phytochemicals incorporated Dendrimer systems for anticancer drug delivery applications	Patent Application No: 201841040349
12	A Sustainable water purification system based on coir fiber coupled with UV treatment	Patent Application No: 201841040341
13	Biocompatible Iron-cobalt Hydroxyapatite (FeCo@HAP) nano-alloys process and applications	Patent Application No: 201941000103
14	Polyvinyl Alcohol Based Nanocomposite Films Fabricated with Zinc oxide Nanoparticles and Clove Oil	Patent Application No: 201941000238
15	Trigonelline from fenugreek: a quorum sensing mimic of Pseudomonas aeruginosa to enhance QS related	Patent Application No: 201941000237
16	Antithrombotic compounds, methods and uses thereof. JayachandranKizhakkedathu, James H Morrissey, Richard J Travers, Rajesh Sheno, Manu Thomas Kalathottukaren. The patent application describes the methods and use of polymers for binding to phosphate containing biological macromolecules and as antithrombotic agents.	US Patent Application No. 16226273 (2019)

17	<p>Polymers for reversing heparin based anticoagulation. Jayachandran N Kizhakkedathu, Rajesh A Shenoi, Cedirc J Carter, Donald E Brooks .</p> <p>The application describes the use of polymers for binding to heparin for methods such as separating, purifying, removing and/or isolating heparin and heparin like molecules.</p>	<p>US Patent Application No. 15887561 (2018)</p>
----	---	--