

Enclosure-I

Detail of patents:

S.No.	Name	Patent Title	Design/Grant Number	Patent	Year	Date of Grant
1.	Dr. Archana Asatkar	A process for treating contaminated water using Magnetic Nanoparticle-based adsorbents for targeted adsorption of toxic metals	202321051206 has been granted in India	Patent	2023	22/09/2023
2.	Dr. Archana Asatkar	Synthesis and characterization of Noval lightweight Metal glass composites.	202341049984 has been granted in India .	Patent	2023	25/07/2023
3.	Dr. Archana Asatkar	Methodology for the synthesis of Iron Nanoparticles using Eco-friendly reducing agents' characterization and industrial application	2023414055679 has been granted in India	Patent	2023	19/08/2023
4.	Dr. Archana Asatkar	Thiazole derivative Synthesizing Device	409044001	Patent	2023	28/02/2024
5.	Dr. Sarabjot Kaur Makkad	Water soluble polymer surfactant for synthesis of polystyrene nanobeads towards detection of bilirubin in human serum	US2021025520A1 has been granted with grant number 11719709	US Patent	2023	08/08/2023
6.	Dr. Sarabjot Kaur Makkad	Fluorescent polymer for visual solid state sensing of volatile organic compounds	IN201811006753 has been granted in India with grant number 452076	Indian Patent	2023	15/09/2023
7.	Dr. Sarabjot Kaur Makkad	Fluorescent polymer for visual solid state sensing of volatile organic compounds	US20210088449 has been granted in US with grant number 11427661	US Patent	2022	30/08/2022
8.	Dr. Sarabjot	A Process for simultaneous	201811007112 has	Indian	2023	09/10/2023

	Kaur Makkad	visual detection of fluoride and arsenic ion using carbon quantum dots	been granted in India with grant number 457489	Patent		
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