

## PATENTS GRANTED

S. No.	Academic Year	Title of the Patent	Inventors	Patent Status
1.	2022-2023	Sunscreen Lotion/Gel formulation for skin flushing and inflammation	<b>Harsha Kharkwal</b>	National
2.	2022-2023	Novel carbohydrate for water soluble paints	<b>Harsha Kharkwal</b>	National
3.	2022-2023	Green synthesis of silver nanoparticles using ethanolic extract of zanthoxylum alatum leaves	<b>Harsha Kharkwal</b> , Monika Joshi, Preeti Panthari, Pranauv Balaji	National
4.	2022-2023	Targeted Delivery Through Novel Brain Receptors for Combating Type 3 Diabetes	Dr. Deepshikha Pande Katare, Dr. Khyati Mittal, Dr. Dheeraj Nagpal, <b>Dr. Harsha Kharkwal</b>	National
5.	2022-2023	Antiovolatory lepidin based novel formulation and a method for the preparation thereof	Deepshikha Katare. <b>Harsha Kharkwal</b> , Kumud Bala,	National
6.	2022-2023	A method for the preparation of novel Polysaccharide Ethers	<b>Harsha Kharkwal</b> , DD Joshi, AC Kharkwal	National
7.	2022-2023	Carotenoids enriched functional foods derived from agri-horticultural waste	<b>Dr. Harsha Kharkwal</b> , Dr. Dhan Prakash, Dr. Charu Gupta	National
8.	2022-2023	Injection Mouldable Bioplastic	<b>Harsha Kharkwal</b>	National
9.	2022-2023	Dietary supplement for treating malathion induced toxicity in testis'of	Kumud Bala, <b>Harsha Kharkwal</b> , Deepsikha Katare	National
10.	2022-2023	Novel Formulation of Standardized Extract of Psoralea Corylifolia for the Treatment of Liver Cirrhosis	Deepsikha Katare, Neha Mathur, <b>Harsha Kharkwal</b> , Kumud Bala, Vidu Aeri	National
11.	2022-2023	Probiotic Enhanced Lactoserum Based Functional Food Product for Use as Adjuvant Therapy for Anaemia	Dr. Charu Gupta, Dr. Dhan Prakash <b>and Dr. Harsha Kharkwal</b>	National
12.	2021-2022	Novel paint composition	<b>Dr. Harsha Kharkwal</b>	National
13.	2021-2022	Novel composites prepared using coagulum (diterpene carboxymethyl ester) with jute fiber	R K Diwan, <b>Harsha Kharkwal</b>	National
14.	2021-2022	Novel Synthesis of Magnetic Iron Oxide Nanoparticles Using Cinnamon Leaf Extract	<b>Harsha Kharkwal</b> , Monika Joshi, Preeti Panthari, Pranauv Balaji	National
15.	2021-2022	Novel Self Defense Spray Formulation	<b>Harsha Kharkwal</b>	National
16.	2020-2021	Carbohydrate Based Biodegradable and Hydro-biodegradable Plastics	<b>Harsha Kharkwal</b> / D.D. Joshi / Deepshikha / Pande Katare / Amit C Kharkwal / Navin Nainwal / Kumud Bala	National
17.	2020-2021	Polymer based Gelatin Free Capsules	<b>Harsha Kharkwal</b> / Kumud Bala /	National

			Deepshikha Pande Katare / D.D. Joshi / Amit C Kharkwal	
18.	2020-2021	A Biodegradable Bioplastic Formulation and a Method for Preparing the same	<b>Harsha Kharkwal</b>	National
19.	2020-2021	Herbal Nail Polish	Manish Kant Pant / <b>Harsha Kharkwal</b> / D.D. Joshi	National
20.	2020-2021	A Formulation from Emulsifying Agent from Native and Derivatized Grandis Gum	<b>Harsha Kharkwal</b>	National
21.	2020-2021	Herbal Colour for Cosmetic and Food Industry	<b>Harsha Kharkwal</b> / D.D. Joshi / Deepshikha Pande Katare / Kumud Bala / Navin Nainwal	National
22.	2020-2021	"Polyphenol enriched antimutagenic product from fruit pericarp of <i>Trapa bispinosa</i>	Dhan Prakash / Charu Gupta / <b>Harsha Kharkwal</b>	National
23.	2020-2021	Improved cling packaging films for food industry	<b>Harsha Kharkwal</b>	National
24.	2019-2020	Shampoo for dry and greasy hair	<b>Dr. Harsha Kharkwal</b> / Deepshikha Pande Katare / Kumud Bala / Navin Nainwal	National
25.	2019-2020	Synthesis of a Novel Analogue of Sorafenib for the treatment of Hepato Cellular Carcinoma	D.P. Katare / <b>Harsha Kharkwal</b> / Kumud Bala	National
26.	2019-2020	Suspending agent from cassia species	<b>Harsha Kharkwal</b>	National
27.	2019-2020	Novel composition of biopolymers and a process for the preparation thereof	<b>Harsha Kharkwal</b> / Dhan Prakash / P. Pushpangadan / Charu Gupta	National
28.	2019-2020	A method for preparing the quercetin loaded nanoparticle	Deepshikha Pande Katare / Kumud Bala / <b>Harsha Kharkwal</b>	National
29.	2018-2019	Polyphenol Enriched Antioxidant Nutraceutical Product as Adjuvant Therapy for Cancer Chemoprevention and Process for The Preparation Thereof	Dr. Dhan Prakash / Dr. Charu Gupta / <b>Dr. Harsha Kharkwal,</b>	National