

B. K. Birla College (Empowered Autonomous), Kalyan
Patents List Year Wise

Sr. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number
1	7/MUM/2000	Granted (Indian)	Dr. Kranti Ozarkar	Anti-inflammatory activity of <i>Cissus quadrangularis</i> : A composition for curing and/or alleviating inflammation, method of preparing said composition and a method of curing and/or alleviating inflammation using said composition.	Dr. Kranti Ozarkar	03.01.2000	09.11.2002	188841
2	41/2007	Granted (Indian)	Dr.Sandesh Jaybhaye	Synthesis of Carbon fiber from cotton	Dr.Sandesh Jaybhaye	10.03.2006	12.10.2007	3543MUM/2006
3	643/MUM/2006	Granted (Indian)	Dr. Sandesh Jaybhaye and Dr. Vilas Khairnar	Conversion of Plastics in to value added products	Dr. Sandesh Jaybhaye and Dr. Vilas Khairnar	24.04.2006	18.01.2008	C10L5/48
4	35/2008	Published (Indian)	Dr. Annika Durve,	Bioconversion of Mandelonitrile to Mandelic acid using <i>Alcaligenes faecalis</i> ATCC 8750 and <i>Acinetobacter</i> Spp.	Dr. Annika Durve,	28.06.2006	29.08.2008	1014/MUM/2006
5	3797/MUM/2014	Published (Indian)	Dr.Vinod S. Narayane, Dr.Narayan D.Totewad,	Stable Squash Preparation and Method for Preparation Thereof.	Dr.Vinod S. Narayane, Dr.Narayan D.Totewad	28.11.2014	26.12.2014	3797/MUM/2014
6	201621013188	Published (Indian)	Dr. Minal Trivedi	Formulation of liquid bioinoculant for agriculture	Dr. Minal Trivedi,	15.04.2016	13.05.2016	201621013188
7	201621027960 A	Published (Indian)	Dr. M. M Khandpekar and others	Method of preparation , characterization and antibacterial activity of a nanocomposite formed by grapheme oxide sheets decorated with silver nanoparticles.	Dr. M. M Khandpekar and others	17.08.2016	02.09.2016	201621027960 A

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8	201621036454 A	Published (Indian)	Tarannum Attar & M. M Khandpekar	Synthesis and Characterisation of Lantahanide Doped LFPH nanomaterials for optical and biomedical applications.	Tarannum Attar & M. M Khandpekar	25.10.2016	18.11.2016	201621036454 A
9	201621040158A	Published (Indian)	Dr. M. M Khandpekar & others	Synthesis of mixed silver- chitosan nanoparticles and their activity against effective control of Mosquito larvae	Dr. M. M Khandpekar & others	24.11. 2016	30.12.2016	201621040158 A
10	201721022363	Granted (Indian)	Dr. Dinesh Wanule and Dr. Kantilal Nagare	A method for bulk production of Cobalt oxide nanoparticles using extract of lac in economical and eco-friendly manner.	Dr. Dinesh Wanule and Dr. Kantilal Nagare	27.06.2017	01.07.2017	201721022363
11	201721022364	Published (Indian)	Dr. Dinesh Wanule and Dr. Kantilal Nagare	Synthesis of lead oxide nanoparticle using extract of lac	Dr. Dinesh Wanule and Dr. Kantilal Nagare	27.06.2017	08.09.2017	201721022364
12	201721026369 A	Published (Indian)	Dr. M. M Khandpekar & others	Process for preparation of dried bags using Colostrum milk free from bacteria.	Dr. M. M Khandpekar & others	25.07. 2017	15.09.2017	201721026369 A
13	201821000532 A	Granted (Indian)	Dr. Amit Singh, Dr. M. M Khandpekar,	Cystine Doped LaF3: Ce nanoparticles for bio-tagging and bio-imaging,	Dr. Amit Singh, Dr. M. M Khandpekar,	5.01.2018	02.02.2018	201821000532 A
14	201821023733 A	Published (Indian)	Manoj Mahajan & M. M Khandpekar	L-Alanine Modified water soluble EuF3: Gd Nanoparticles for Biomedical Applications.,	Manoj Mahajan & M. M Khandpekar	26.06.2018	20.07.2018	201821023733 A
15	201921024960	Published (Indian)	Dr. M. M Khandpekar,	A Method for Synthesis of Doped LaF3: Ce Nanoparticles Modified by Glutamine for Biomedical Applications,	Dr. M. M Khandpekar	24.6 2019	19.07.2019	201921024960 A
16	202141001081 A	Published (National)	Dr. Narayan D. Totewad	IOT based autonomous floor disinfecting smart uv robotic system	Dr. Narayan D. Totewad	9.01.2021	15.01.2021	202141001081

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17	202121006126	Granted (Indian)	Dr. Narayan D. Totewad	Design and implementation of smart heart rate monitoring system using IOT	Dr. Narayan D. Totewad	13.02.2021	19.02.2021	202121006126
18	2021100736	Granted (International)	Dr. Narayan D. Totewad	Development of smart powering technique using ai based solar tracking system	Dr. Narayan D. Totewad	05.02.2021	11.03.2021	2021100736
19	202121009196	Published (Indian)	Dr. Narayan D. Totewad	A wearable vibrat-thermo glove for improved hand movement of cerebral palsy & paralytic patients	Dr. Narayan D. Totewad	05.03.2021	12.03.2021	202121009196
20	330578-001	Granted (Indian)	Dr. Kantilal Nagare and Dr. Dinesh Wanule	Exhaled air disinfecting system	Dr. Kantilal Nagare and Dr. Dinesh Wanule	30.06.2020	17.03.2021	330640-001
21	2021101067	Granted (International)	Dr. Narayan D. Totewad	Bacopa monnieri based edible cookies for enhanced cognitive performance	Dr. Narayan D. Totewad	26.02.2021	18.03.2021	2021101067
22	202121015867 A	Published (Indian)	Dr. Narayan D. Totewad	Development of mercury ion detection sensor using field effect transistor in wastewater	Dr. Narayan D. Totewad	03.04.2021	16.04.2021	202121015867
23	2021103195	Granted (International)	Dr. Narayan D. Totewad	A novel method for preparation of silver nanoparticles	Dr. Narayan D. Totewad	08.06.2021	01.07.2021	2021103195
24	343148-001	Granted (Indian)	Dr. Kantilal Nagare	Emotion sensing point of sale system	Dr. Kantilal Nagare	07.05.2021	09.07.2021	343148-001
25	344844-001	Granted (Indian)	Dr. Kantilal Nagare Dr.Sandesh Jaybhaye	Emotion projecting Badge	Dr. Kantilal Nagare	17.6.2021	02.08.2021	344844-001
26	2021104201	Granted (International)	Dr. Narayan D. Totewad	An organic food preservative composition	Dr. Narayan D. Totewad	15.07.2021	12.08.2021	2021104201

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27	345988-001	Granted (Indian)	Dr. Kantilal Nagare and Dr. Dinesh Wanule	Robotic device for teaching maps	Dr. Kantilal Nagare and Dr. Dinesh Wanule	09.07.2021	01.09.2021	345988-001
28	201621012077	Granted (Indian)	Dr. Dinesh Wanule and Dr. Kantilal Nagare	A eco-friendly and economical method for bulk synthesis of CuO nanoparticle using discarded by-product extract of lac industry	Dr. Dinesh Wanule and Dr. Kantilal Nagare	06.04.2016	06.09.2021	376488
29	201721004226	Granted (Indian)	Dr. Dinesh Wanule and Dr. Kantilal Nagare	An eco-friendly or economical method for large scale manufacturing of Iron oxide nanoparticle using extract of lac.	Dr. Dinesh Wanule and Dr. Kantilal Nagare	06.02.2017	09.09.2021	376783
30	346825-001	Granted (Indian)	Dr. Kantilal Nagare, Dr. Dinesh Wanule and Dr. H K Dubey.	Portable analytical device for screening blood components and parasites	Dr. Kantilal Nagare, Dr. Dinesh Wanule and Dr. H K Dubey.	27.7.2021	23.09.2021	346825-001
31	2021106648	Granted (International)	Dr. Narayan D. Totewad	A method for formulating vegetables and fruits waste culture medium for industrial fungi cultivation	Dr. Narayan D. Totewad	23.08.2021	11.11.2021	2021106648
32	2021107045	Granted (International)	Dr. Narayan D. Totewad	A method for formulation of natural laboratory disinfectant using orange peel waste	Dr. Narayan D. Totewad	24.08.2021	18.11.2021	2021107045
33	2021107011	Granted (International)	Dr. Narayan D. Totewad	A method for ecofriendly recycling lignite fly ash for improvement of growth and biochemical constituents of spirulina platensis	Dr. Narayan D. Totewad	24.08.2021	18.11.2021	2021107011

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34	2021107477	Granted (International)	Dr. Narayan D. Totewad	Pigment preparation for colouring polymer	Dr. Narayan D. Totewad	25.08.2021	18.11.2021	2021107477
35	2021107404	Granted (International)	Dr. Narayan D. Totewad	A method of food preservation using bamboo conduits and pipes	Dr. Narayan D. Totewad	25.08.2021	18.11.2021	2021107404
36	2021104516	Granted (International)	Dr. Narayan D. Totewad and Dr. Archana Sing	A powdered food preservative composition and method of preparation	Dr. Narayan D. Totewad and Dr. Archana Singh	23.07.2021	19.01.2022	2021104516
37	359351-001	Granted (Indian)	Dr. Kantilal Nagare and Dr. Dinesh Wanule	Robotic device to capture samples from marine life	Dr. Kantilal Nagare and Dr. Dinesh Wanule	25.02.2022	10.04.2022	359351-001
38	112852	Granted (Indian)	Dr. Balkavi Suranje, Dr. Shyamsyndar Pandey, Mr. Vinod Rajput, Dr. Dattatraya Kshirsagar and Dr. Kantilal Nagare	Hindi Language Translating Device	Dr. Balkavi Suranje, Dr. Shyamsyndar Pandey, Mr. Vinod Rajput, Dr. Dattatraya Kshirsagar and Dr. Kantilal Nagare	05.02.2022	02.05.2022	112852
39	113636	Granted (Indian)	Dr. Narayan D. Totewad	Food adulteration detection device	Dr. Narayan D. Totewad	21.03.2022	13.05.2022	113636
40	120744	Granted (Indian)	Dr. Kantilal Nagare and Dr. Dinesh Wanule	Portable automatic aquarium filter, temperature control and water monitoring system	Dr. Kantilal Nagare and Dr. Dinesh Wanule	18.08.2022	22.12.2022	120744
41	122850	Granted (Indian)	Dr. Kantilal Nagare and Dr. Dinesh Wanule	Solar car parking	Dr. Kantilal Nagare and Dr. Dinesh Wanule	26.07.2022	29.12.2022	122850
42	364945-001	Granted (Indian)	Dr. Sandesh Jaybhaye	Vertical CVD tube furnace for the production of electromagnetic wave Absorbent Nanomaterials-	Dr. Sandesh Jaybhaye	27.05.2022	06.01.2023	364945-001

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43	126032	Granted (Indian)	Dr. Ashwini Kulkarni	Portable Smart Artificially Intelligent Farm Assisting Vehicle (Khet-Ankur)	Ashwini Kulkarni	18.08.2022	19.01.2023	126032
44	202023 100079	German Granted (International)	Dr. Narayan D. Totewad	Hydrolase enzyme complex for treatment of wastewater	Dr. Narayan D. Totewad	09.01.2023	26.01.2023	202023 100079
45	202023101412	German Granted	Dr. Narayan D. Totewad	Lipase Based laundry detergent for improved grease & oil cleaning	Dr. Narayan D. Totewad	21.03.2023	11.04.2023	202023101412
46	368142-001	Granted (Indian)	Dr. Kantilal Nagare	Virtual Conbolling Spectacles for laboratory Experiments.	Dr. Kantilal Nagare	22.07.2022	12.04.2023	368142-001
47	381331-001	Granted (Indian)	Dr. Kantilal Nagare	Fish Size Analying Device	Dr. Kantilal Nagare	12.03.2023	29.05.2023	381331-001
48	202421009516	Published (Indian)	Dr. Dinesh Daujirao Wanule	A Comprehensive System For producing crop Growth Optimizer with organic and Inorganic wastage utilization.	Dr. Dinesh Daujirao Wanule	30.03.2024	03.05.2024	202421009516
49	411703-001	Granted (Indian)	Dr. Kantilal Hiralal Nagare Dr. Dinesh Daujirao Wanule Dr. Vijay Sakharam Jadhav	Autonomous Deep Sea Plankton Sample Fetching Vehicle	Dr. Kantilal Hiralal Nagare Dr. Dinesh Daujirao Wanule Dr. Vijay Sakharam Jadhav	27.03.2024	16.05.2024	411703-001
50	422928-001	Granted (Indian)	Dr. Kantilal Hiralal Nagare Dr. Dinesh Daujirao Wanule Mrs. Esmita Punit Gupta	Biological Fluid Screening Analyzer	Dr. Kantilal Hiralal Nagare Dr. Dinesh Daujirao Wanule Mrs. Esmita Punit Gupta	08.04.2024	06.06.2024	422928-001
51	202421039064	Published (Indian)	Dr. Dinesh Daujirao Wanule Dr. Kranti Rajesh Ozarkar	Method for preparing a Self- Nourishing pots with Recycled Plastic and Essential Nutrients for plant Growth	Dr. Dinesh Daujirao Wanule Dr. Kranti Rajesh Ozarkar	29.05.2024	28.06.2024	202421039064
52	202411070121 A	Published (Indian)	Mrs. Vandana Maurya	Adaptive Surve kiosk with Dynamic question modulation based on user engagement metrics	Mrs. Vandana Maurya	17.09.2024	04.10.2024	202411070121 A
53	6306184	Granted (International)	Mr. Vinod Rajput. Ms. Kajal Jaisinghani	Granted a UK based Patent on ‘AI based device for Scanning and Data Input’ .	Mr. Vinod Rajput. Ms. Kajal Jaisinghani	04-03-2023	06-09-2023	6306184

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54	393746-001	Granted (Indian)	Mr. Vinod Rajput. Ms. Kajal Jaisinghani	Granted a Indian Patent on ‘AI based device for Scanning and Data Input’	Mr. Vinod Rajput. Ms. Kajal Jaisinghani	04-03-2023	26-10- 2023.	393746-001
55	432351-001	Granted (Indian)	Dr. Kantilal Hiralal Nagare Dr. Dinesh Daujirao Wanule Dr. Kranti Ozarkarand Dr. Vinod Narayane	AI- Automatated Lepidoptera Pheromone Diffuser Vehicle	Dr. Kantilal Hiralal Nagare Dr. Dinesh Daujirao Wanule Dr. Kranti Ozarkarand Dr. Vinod Narayane	01.10.2024	13.12.2024	432351-001