

## B. K. Birla College (Autonomous), Kalyan

### List of Patents

Sl. 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	1.2000	11.2002	188841
2.	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	20.05.2003	2008	C10L5/48
3.	41/2007	Granted (Indian)	Dr.Sandesh Jaybhaye,	Synthesis of Carbon fiber from cotton	Dr.Sandesh Jaybhaye,	2007	12.10.2007	3543MUM/2006
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.	201621013188	Published (Indian)	Dr. Minal Trivedi	Formulation of liquid bioinoculant for agriculture	Dr. Minal Trivedi,	15/04/2016	13/05/2016	201621013188
6.	201621027960	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	36/2016	02.09.2016	201621027960
7.	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
8.	201621040158 A	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
9.	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
10.	201821000532 A	Granted (Indian)	Dr. Amit Singh, Dr. M. M Khandpekar,	Cystine Doped LaF <sub>3</sub> : Ce nanoparticles for bio-tagging and bio-imaging,	Dr. Amit Singh, Dr. M. M Khandpekar,	15.01.2018	02.02.2018	201821000532 A

11.	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	2018210237 33 A
12.	3797/MUM/20 14	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
13.	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
14.	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
15.	201721022363	Published (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	2017210223 63
16.	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	2017210223 64
17.	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	2019210249 60 A

18.	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
19.	343148-001	Granted (Indian)	Dr. Kantilal Nagare	Emotion sensing point of sale system	Dr. Kantilal Nagare	07-05-2021	09/07/2021	343148-001
20.	344844-001	Granted (Indian)	Dr. Kantilal Nagare	Emotion projecting Body	Dr. Kantilal Nagare	17.6.2021	02.08.2021	344844-001
21.	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
22.	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
23.	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
24.	202121006126	Published (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
25.	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
26.	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

27.	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
28.	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
29.	359351-001	Published (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
30.	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
31.	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
32.	202121015867	Granted (International)	Dr. Narayan D. Totewad	Development of smart powering technique using ai based solar tracking system	Dr. Narayan D. Totewad	03.04.2021	11.03.2021	2021100736
33.	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
34.	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

35.	2021104201	Granted (International)	Dr. Narayan D. Totewad	An organic food preservative composition	Dr. Narayan D. Totewad	15.07.2021	12.08.2021	2021104201
36.	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
37.	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
38.	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
39.	2021107477	Granted (International)	Dr. Narayan D. Totewad	Pigment preparation for colouring polymer	Dr. Narayan D. Totewad	25.08.2021	18.11.2021	2021107477
40.	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
41.	2021104516	Granted (International)	Dr. Narayan D. Totewad	A powdered food preservative composition and method of preparation	Dr. Narayan D. Totewad	23-07-2021	19.01.2022	2021104516
42.	113636	Granted Indian	Dr. Narayan D. Totewad	Food adulteration detection device	Dr. Narayan D. Totewad	21.03.2022	13.05.22	113636
43.	411703-001	Granted Indian	Dr. Vijay Jadhav	AUTONOMOUS DEEP SEA PLANKTON SAMPLE FETCHING VEHICLE	Dr. Vijay Jadhav	27.3.2024	16.05.2024	411703-001