



# University of Mumbai

## DEPARTMENT OF STUDENTS' DEVELOPMENT

14th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2019-20  
(Final Round)

**Result of 14th Inter-Collegiate/Institute/Department Avishkar Research Convention:  
2019-20 (Final Round)**

### Category and Level-wise

#### Category: Humanities, Languages and Fine Arts

Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
1	UG	FIRST	COMFO-BELT: PERIOD PAIN RELIEVER	D.G. Ruparel College of Arts, Science and Commerce, Mahim	Ansurkar Mrunal Mahesh	TYBSC.C.S/CS 2003	3
2	UG	SECOND	Peer tutoring in mental retardation	Ramnarain Ruia College, Matunga	Godbole Rasika Avinash	SYBA/2528	2
3	UG	THIRD	Reinventing Learning	Wilson College, Chowpatty, Charni Road	Saboowala Abdul basit Talha	B.SC./178	1
4	UG	CONSOLATION	E- Governance with Blind Spots	Arts and Commerce College, Juchandra	Jadhav Rutuja Rajesh	FYBA/12	0
					Sonawane Urmila Shantaram	FYBA/49	
5	PG	FIRST	To study the practices of menstrual hygiene among rural adolescent girls.	Nirmala Niketan College of Social Work, New Marine Lines	Mohite Sonam Sanjay	MSW-2/33	3



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6	PG	SECOND	Women Rag pickers: Livelihood and issues related to occupation.	Nirmala Niketan College of Social Work, New Marine Lines	Kharat Santosh Natha	MSW-2/26	2
7	PG	THIRD	The Level of Emotional Intelligence, Stress Level and Coping Strategies of Mothers of Adolescents (11-18 years) with Cerebral Palsy and Mothers of Adolescents (11-18 years) without Cerebral Palsy: A Comparative Study	Nirmala Niketan College of Home Science, New Marine Lines	Nair Aathira -	M.SC. HUMA/10	1
					Gala Priyanka -	MSC HUMAN /04	
					Madhwani Priyanshi -	MSC HUMAN/09	
8	PPG	FIRST	Need and Relevance of Wetland Habitat Mapping for encouraging Wise Development using ODK- A case study of Karambeli Wetland, Khalapur	Department of Geography	Gawai Nikhil Vilas	PHD/123	3
					Ashtekar Kapil Devidas	PHD/98	



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### Category: Commerce, Management and Law

Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
9	UG	FIRST	Recipe to Good Occupational Health!	Nirmala Niketan College of Home Science, New Marine Lines	Ovias Zoya -	B.SC. HOME/40	3
					Hegde Sarah -	B.SC. HOME/7	
					Karthik Lakshmi -	B.SC. HOME/17	
					Wani Sanskruti -	B.SC. HOME/39	
10	UG	SECOND	Commercialisation of Emotional Intelligence	Kishinchand Chellaram College, Churchgate	Wadher Mitali Rajendra	SYBA/35	2
					Maheshwari Girisha Niraj	SYBA/14	
11	UG	THIRD	IMPACT OF TV ADVERTISEMENT OF COSMETICS ON BUYING BEHAVIOR OF COLLEGE GOING GIRLS IN BHANDUP CITY	Ramanand Arya D.A.V. College, Bhandup	Shaikh Sabista Naseem	SYBAF/416	1
12	UG	CONSOLATION	आधुनिक मत्स्योत्पादन तंत्र:- उत्पन्न, निर्यात व त्याचे नैसर्गिक परिणाम	R.P. Gogate college of Arts and Science and R.V. Jogalekar College of Commerce, Ratnagiri	Prabhu Chinmay Suresh	TYBA/216	0
					Shetye Prathmesh Nandakumar	TYBSC/106	



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13	PG	FIRST	कचरा व्यवस्थापनाद्वारे उत्पन्न आणि रोजगार निर्मिती :एक प्रतिमान	R.P. Gogate college of Arts and Science and R.V. Jogalekar College of Commerce, Ratnagiri	Shinde Rutuja Rajendra	MCOM-I/77	3
14	PG	SECOND	मला सुट्टी हवी	D.B.J. College, Chiplun	Shinde Rakshanda Santosh	MCOM/36	2
15	PG	THIRD	A study on Senior Citizens' experiences with Mobile banking	K.G. Joshi College of Arts and N.G. Bedekar College of Commerce, Thane	Mishra Ritu Indrajit	MCOM/21	1
16	PPG	FIRST	TOURIST PREFERENCES' AS AN ANTECEDENT OF DESTINATION CHOICE WITH REFERENCE TO RAIGAD DISTRICT	Pillai College of Arts, Commerce and Science, New Panvel	Kudav Girish Prakash	PH.D.(BUSI/NA	3
17	PPG	SECOND	STUDENTPRENEUR: UNDERSTANDING ENTREPRENEURIAL INTENTIONS AMONG URBAN POST-MILLENNIALS	Pillai College of Arts, Commerce and Science, New Panvel	Bane Shravan Subhash	PH.D.(BUSI/NA	2
18	TH	FIRST	Reach The Unreached - A Single Window Web App For Health Care Schemes	Department of Commerce	Zalkikar Sujata Achyut	P.HD/85	3



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Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
19	TH	SECOND	Banking for Divyang	Changu Kana Thakur Arts, Commerce and Science College, New Panvel	Sathe Sonali Ashutosh	PH.D./-	2



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### Category: Pure Sciences

Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
20	UG	FIRST	Electrodynamics Simulator	Vivekanand Education Societys College of Arts, Science and Commerce, Chembur	Ramchandani Sagar Shyam	TYBSC PHYS/310	3
21	UG	SECOND	Detection of halogens using copper (II) nitrate	R.P. Gogate college of Arts and Science and R.V. Jogalekar College of Commerce, Ratnagiri	Rane Purva Ravindra	FYBSC/99	2
					Gogate Tanvi Sanjay	FYBSC/90	
22	UG	THIRD	To develop a mathematical model for diagnosis of diabetes, anaemia and hypertension by using fuzzy matrices	R.P. Gogate college of Arts and Science and R.V. Jogalekar College of Commerce, Ratnagiri	Pokharanakar Mugdha Mahesh	FYBSC/07	1
					Desai Muktai Milind	FYBSC/05	
23	UG	CONSOLATION	Ecofriendly Sanitary Napkin	Ramsheth Thakur College of Commerce and Science, Kharghar	Singh Geeta Mukesh	SYBS.C/31	0
					Choudhary Jyoti -	SYBSC/32	
24	UG	CONSOLATION	Coronal Mass Ejection in Sun	Ramsheth Thakur College of Commerce and Science, Kharghar	Virkud Nimish -	FYBSC/35	0
					Dalvi Riddhi Dilip	FYBSC/04	
25	PG	FIRST	ECOFRIENDLY CLEANSING FOR ALL	Ramniranjan Jhunjunwala College, Ghatkopar	Gudulkar Susmita Shridhar	MSC PART I/104	3



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Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
26	PG	SECOND	Green Synthesis of Zinc Oxide Nanoparticles from Viteveria Zizanoides	Vinayak Ganesh Vaze College of Arts, Science and Commerce, Mulund	Inamdar Vrushali Milind Shraddha Suresh	PGDPCM/1403 PGDPCM/1424	2
27	PG	THIRD	THE HYDRO-CLEANUP ROV: A water body cleaning device	D.G. Ruparel College of Arts, Science and Commerce, Mahim	Kadge Jatin Nandkumar	MSC II PHY/104	1
28	PG	CONSOLATION	KETOCONAZOLE AND TEA TREE OIL LOADED MICROSPONGE BASED GEL: POTENTIAL TREATMENT FOR SEBORRHEIC DERMATITIS	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle	Patel Charmi Laxmichand	S. Y. M. P/9	0
29	PPG	FIRST	Simple, inexpensive and innovative salt crystal for preservation of organisms and DNA	Department of Bio-Physics	Jaiswal Vinod Deomani	PHD/14	3
30	PPG	SECOND	Synthesis of Carbon Nano Fiber from plant waste and its application in supercapacitor	B.K. Birla College of Arts, Science and Commerce, Kalyan	Wakchaure Sandip Vishnu	PH.D./4	2
31	PPG	THIRD	Cost effective advanced treatment plant for remediation of dyes in textile effluent	National Centre for Nonoscience and Nanotechnology	Borade Prashant Appasaheb	PH.D. /12	1
32	PPG	CONSOLATION	Intelligent Recipe Maker and Recommender	Department of Computer Science	Sen Indrani Suresh	PHD/_	0



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33	TH	FIRST	Lightweight and outstanding thermal insulator monolithic silica aerogel blanket	Department of Physics	Jadhav Sapna Bakul	PH.D/NA	3
34	TH	SECOND	Isolation and Characterization of Polymer Degrading Microbs from Kalyan Municipal dumping yard	Department of Chemistry	Ware Pundlik shivaji	PHD/189/07-11-	2
35	TH	THIRD	AYURVEDIC PLANT EXTRACT: A PANACEA FOR BACTERIAL INFECTIONS	SIES College of Arts, Science and Commerce, Sion (W)	Kamble Pramod Ananda	PHD/NA	1





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### Category: Agriculture and Animal Husbandry

Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
36	UG	FIRST	ARTIFICIAL RAIN and Effluent treatment via co2 carrier	Saraswati Vidya Bhavan College of Pharmacy, Dombivli	Bhanushali Amogh Uday	THIRD YEAR/62	3
					Pawar Shubham Shivaji	THIRD YEAR/17	
					Patil Aniket Tukaram	THIRD YEAR/23	
					Nikam Trunal Manohar	THIRD YEAR/49	
					Yadav Rahul Bajrangi	THIRD YEAR/62	
37	UG	SECOND	Cloning of Tomato Mosaic Viral RNA using Degenerate Primers	Ramnarain Ruia College, Matunga	Malpekar Aditya Ashish	TYBSC/7915	2
					Pethe Madhushree Anand	SYBSC/6312	
38	UG	THIRD	Role of Microbial Elicitors in Inducing Resistance in Plants against Pathogen	Changu Kana Thakur Arts, Commerce and Science College, New Panvel	Tade Aisha Javed	T.Y. B.SC./32	1
39	PG	FIRST	Mastheal: Novel approaches for mastitis in cattle	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle	Khatri Raj Niken	S. Y. M. P/4	3
					Kapoor Diksha Manoj	S. Y. M. P/7	
40	PG	SECOND	Novel Transdermal Nanofibre Formulation for Inflammation and arthritis	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle	Churi Sayali Rajesh	S. Y. M. P/4	2
					Gaikwad Sushma Shashikant	S. Y. M. P/6	



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Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
41	PG	THIRD	Utilization of Potato Peels As A Source of Natural Antioxidant And Incorporated Into Value Added Products	Nirmala Niketan College of Home Science, New Marine Lines	Haque Mubasshira Mazharul	M.SC. HOME/09	1



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### Category: Engineering and Technology

Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
42	UG	FIRST	Fabrication and In-vitro testing of Biosynthetic skin for burn wounds	Dwarkanadas J. Sanghvi College of Engineering, Vile Parle	Deshmukh Madhura Venkatesh	B.E./6001316000	3
					Teli Dhvani Rajesh	B.E./6001316002	
					Vichare Prashali Santosh	B.E./6001316002	
43	UG	SECOND	MULTI AGRO MECHANISM	Thakur College of Engineering and Technology, Kandivali	Pal Vikrant Sunder	BE MECHANI/72	2
					Pawar Kunal Shashikant	BE MECHANI/73	
					Patil Pankaj Prakash	BE MECHANI/65	
44	UG	THIRD	Fabrication and Testing of Tiles Made from Plastic Waste	Saraswati College of Engineering, Kharghar	acharekar Harsh vilas	BE/1	1
					dalvi Hemant krishna	BE/12	
					chougule Neha prakash	BE/11	
					chavan Krushnali limchand	BE/9	
45	UG	CONSOLATION	Automated Solar-Powered Surveillance Rover using Recycled Lithium Cells	Shivajirao S. Jondhale College of Engineering, Dombivli	Bonde Riddhesh Jeevan	BE/8	0
					Rathi Manmohan Surendra	TE/29	



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46	PG	FIRST	Bio-Concrete: The Self-Healing Concrete	Guru Nanak Khalsa College of Arts, Science and Commerce, Matunga	Kadam Shraddha Santosh	M.SC/08	3
47	PG	SECOND	Solubility Enhancement of Irbesartan using Inclusion Complexion Technique	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle	Raut Adishri Ashok	S. Y. M. P/11	2
					Sharma Dhvani Sandeep	S. Y. M. P/14	
48	PG	THIRD	ESTIMATION OF A DRUG FROM BIOLOGICAL FLUID USING MICROEXTRACTION – A SAFE AND EFFECTIVE APPROACH FOR PRECLINICAL STUDIES	Vivekanand Education Society College of Pharmacy, Chembur	Gupta Sumit Gourishankar	S. Y. M. P/-	1
49	PPG	FIRST	Judiciary System using Blockchain	Thakur College of Engineering and Technology, Kandivali	Khairwal Neerajkumari Surajbhan	PHD/04	3
50	PPG	SECOND	Feature Selection for Pre-Term Child Birth	Ramrao Adik Institute of Technology, Nerul	Deshpande Himani Saurabh	PH.D./16PDCE02	2
51	PPG	THIRD	Development of Real Time Encrypted Trust based Dolphin Glowworm Optimization Routing Algorithm for Mobile Adhoc Network	Ramrao Adik Institute of Technology, Nerul	Mukhedkar Moresh Madhukar	PHD/12PDEE003	1



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52	TH	FIRST	Enhancing The Capability of Network Protocol for Forensic Investigation and Evidence Collection	Lokmanya Tilak College of Engineering, Kopar Khairane	Patil Rachana Yogesh	PH.D/1	3
53	TH	SECOND	Parametric Investigation for Sustainable Water Supply Network, Quality and Security Management with Application of GIS and Remote Sensing	Pillais Hoc College of Engineering and Technology, Rasayani	Nagarajan Karthik	PHD/3	2
54	TH	THIRD	New Hardware Methods for Extraction of Low Level Differential Signals over Wide Bandwidth With High CMRR and S/N Ratio	Vivekanand Education Society's Institute of Technology, Chembur	Warke Nilima Vasant	PH.D IN EL/01	1



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### Category: Medicine and Pharmacy

Sr. No.	Level	Rank	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s	Points
55	UG	FIRST	SMART SANITARY NAPKIN DISPOSAL MACHINE	Bharati Vidyapeeth College of Engineering, Kharghar	Yadav Shivraj Bhalchandra	BE/71	3
					Shetty Anoop Ramanand	BE/49	
					Shirsolkar Praresh Suryakant	BE/52	
					Narayane Shreyash Kishorkumar	BE/27	
56	UG	SECOND	MEDFRIEND - ONE PRESS TABLET REMINDER & DISPENSER	Ideal College of Pharmacy and Research, Kalyan	Manjrathkar Aditya Arun	FINAL YEAR/421	2
					Zaware Sujit Suryabhan	FINAL YEAR/457	
					Bhilar Aniket Pandurang	FINAL YEAR/404	
					Lavande Janhavi Vinayak	IIIRD YEAR/333	
					Jha Anjali Govind	IIIRD YEAR/328	
57	UG	THIRD	Smart Prototype Device for Industrial Waste Water Recovery and Reuse	Bombay College of Pharmacy, Kalina	Singh Nishant Pramod	FINAL YEAR/B161018	1
					Singh Shubham Janak	FINAL YEAR/B161019	
					Prajapati Prachi Pankaj	FINAL YEAR/B161015	



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58	PG	FIRST	Anti-Fungal Nail Lacquer: An aid to ameliorate patient compliance.	Vivekanand Education Society College of Pharmacy, Chembur	Tank Shivali Hargovind	S. Y. M. P/-	3
					Phatak Kshitija Milind	S. Y. M. P/PH-07	
59	PG	SECOND	Electrospun Nanofibers – “A Green Future for Feminine Hygiene”	Bharati Vidyapeeth's College of Pharmacy, Belapur	Bhadarge Meghana Shrirang	SECOND YEA/02	2
60	PG	THIRD	Cyclodextrin Nanosponges Based Dry Powder Inhalation of Bosentan for Management	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle	Nikam Mayuri Sitaram	S. Y. M. P/9	1
					Bodkhe Shraddha Nanasaheb	S. Y. M. P/1	
					Shetty Kshitya Narayan	S. Y. M. P/15	
61	PG	CONSOLATION	FORMULATION OF TOPICAL NANOCAPSULE GEL OF OXYBENZONE	Bombay College of Pharmacy, Kalina	Vasani Heta Sunil	SECOND YEA/M181031	0
62	PPG	FIRST	Building a platform for Setting up of rapid, preliminary in-vitro screens for anti-cancer activity testing	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle	Jadhav Mrunal Mohan	PHD/2	3
63	PPG	SECOND	Synthesis and cytotoxic activity of quinazolinones as PARP inhibitors	Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle	Sankhe Kaksha Vidhyadhar	PHD/1	2



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64	TH	FIRST	Design, Development and Optimization of W/O/W Multiple nanoemulsion of Gemcitabine Hydrochloride	Vivekanand Education Society College of Pharmacy, Chembur	Korlekar Pradnya -	TEACHING/-	3
					Tank Shivali Hargovind	-/-	
					Parab Bhagyashri Surendra	-/-	

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