

**MALIBA PHARMACY COLLEGE  
FUNDED RESEARCH PROJECTS**

Last Updated Date: 04-10-2022

**Academic year 2021-2022**

<b>Sr. no.</b>	<b>Title of Research Project</b>	<b>Principal Investigator, Department</b>	<b>Name of Funding agency</b>	<b>Fund type (External/Internal) and reference number</b>	<b>Amount of Research Grant Sanctioned with Letter No. &amp; Date</b>	<b>Current status/ Utilization certificate no.</b>
1	Dexamethasone loaded stimuli sensitive polymeric nanoparticles laden graphene oxide-silicone contact lens to treat age-related macular degeneration	Dr. Ditixa Desai	Indian Council of Medical Research [ICMR]	External IRIS ID-2021-13732	22,00,000/- 31 <sup>st</sup> March 2022	On-going
2	Enzyme triggered ocular delivery of voriconazole from nanoparticle-laden contact lenses	Dr. Ditixa Desai	SSIP College Committee of L. M. College of Pharmacy	External 498/2021	75,000/- July 2021	On-going
3	Lactoferrin functionalized clozapine loaded carbon dots delivered through the nose-to-brain pathway	Dr Hetal Patel	SSIP College Committee of L. M. College of Pharmacy	External 494/2021	60,000/- July 2021	On-going

## Academic year 2020-2021

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Tailored-made drug release kinetics from the cyclosporine-hyaluronic-acid-surfactant laden contact lens to treat dry eye syndrome	Dr. Furqan Maulvi	Gujarat Council on Science and Technology (GUJCOST)	External GUJCOST/STI/2020-21/882	46,30,560/- Aug 2020	On-going
2	Multiherb nebulizer for the treatment of patients suffering from COVID-19	Dr. Bhavik Satani	Student Start-up and Innovation Policy (SSIP), Gujarat	External [GKS/SSIP/SOIC-2020-21/SO/SOIC-722]	1,20,000/- July 2020	Completed
3	Development of optimized food product using traditional grains and medicinal plants targeting malnutrition and anti-diabetic populations	Dr. Bhavik Satani	SSIP College Committee of L. M. College of Pharmacy	External 294/2021	46,000/- March 2021	On-going

## Academic year 2019-2020

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Combination of in silico design and wet lab experimental approach for enhancement of activity of novel anti-coagulant ticagrelor through micellar nano-platform	Dr. Pranav Shah	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/24/2019]	1,00,000/- Sep 2019	Completed
2	Proton pump inhibitors: exploring current position and future prospective	Dr. Bhargavi V. Desai	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/24/2019]	70,000/- Sep 2019	Completed
3	Screening of long-term toxicity of reduced grapheme oxide nano-sheets on rats	Mr. Samaresh Pal Roy	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/24/2019]	1,00,000/- Sep 2019	Completed
4	Hard boiled Candy/dark chocolate for cough	Dr. Arti Gupta	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/SSIP/3132/2020]	70,000/- March 2020	Completed

## Academic year 2018-2019

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Brain targeting of clozapine nanosuspension through intra-nasal route	Dr. Hetal P. Patel	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/1258/2018]	50,000/- Oct 2018 [UTU/RPS/1258/2018]	Completed
2	Development of Novel Lipid based Nano-carrier system for Lymphatic Targeting	Dr. Mitali H. Patel	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/1259/2018]	60,000/- Oct 2018 [UTU/RPS/1259/2018]	Completed

## Academic year 2017-2018

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program – 2017; Level 0	Dr. Ketan Ranch, Pharmaceuticals	Department of Science Technology – FIST	External [SR/FST/College-231/2017]	60,00,000/- SR/FST/College-231/2017 16-Jan-2018	Lab developed
2	Spatial ablation of breast cancer cells using targetable graphene based nanovectors	Dr. Sanjay Tiwari, Pharmaceuticals	Science and Engineering Research Board (SERB), DST	External [ECR/2017/000903] SERB/F/9603/2017-2018	31,8,0138 SERB/F/9603/2017-2018 26-Feb-2018	Completed
3	Development of nanoparticles from cationized polymeric constructs	Dr. Sanjay Tiwari, Pharmaceuticals	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/88/2017]	80,000/- Dec 2017 UTU/RPS/88/2017	Completed
4	Comparison of Microwave assisted forced degradation and Conventional degradation method	Mr. Pratik M Tailor	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/88/2017]	50,000/- Dec 2017 UTU/RPS/88/2017	Completed
5	Fabrication of nanosuspension based formulations for augmentation of solubility and dissolution rate	Ms. Jaimini Gandhi	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/88/2017]	50,000/- Dec 2017 UTU/RPS/88/2017	Completed
6	Development and Evaluation of anti-anxiety and anti-stress activity of novel health promoting Tea fortified with Herbs	Mr. Samaresh Pal Roy	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/88/2017]	60,000/- Dec 2017 UTU/RPS/88/2017	Completed
7	Modulation of anticancer effects of SGLT 2 blockers by Chrysin in pancreatic and/ or prostate cancer	Dr. Shrikant V. Joshi	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/88/2017]	1,00,000/- Dec 2017 UTU/RPS/88/2017	Completed
8	Chemo-preventive effects of Spirulina during the promotion and progression stages of colon cancer in rats.	Dr. Bhavin A Vyas	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/88/2017]	80,000/- Dec 2017 UTU/RPS/88/2017	Completed MPC/account /471/2018-19
9	Dual delivery of Gatifloxacin and Dexamethasone from Digitally Inkjet Printed Contact Lenses	Dr. Furqan A. Maulvi	Leo Lens Technology Inc., California 92128, USA	External [UTU/Admin/1384/2017-2018]	9,12,000/- UTU/Admin/1384/2017-2018, Sep 2017	On-going

## Academic year 2016-2017

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	pH dependent controlled drug delivery through hydrogel contact lenses to treat glaucoma.	Dr. Furqan A. Maulvi	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/2373/2017]	60,000/- Jan 2017 UTU/RPS/2693/2017	MPC/Account/677/2017-18
2	Role of DPP - IV inhibitor on expression of BDNF gene for Neuroprotection.	Ms. Rutvi J. Vaidya	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/2373/2017]	1,00,000/- Jan 2017 UTU/RPS/2699/2017	On-going
3	Olfactory Targeting of Peptides to the Brain Through Intranasal Delivery	Dr. Pranav J. Shah	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/2373/2017]	1,00,000/- Jan 2017 UTU/RPS/2698/2017	On-going
4	Separation and isolation of phytochemicals from steroidal and terpenoidal fraction of Indian medicinal plant Heterophragma adenophyllum	Mr. Vilas S. Surana	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/Promotion/2373/2017]	70,000/- Jan 2017 UTU/RPS/2700/2017	MPC/Account/965/2018-19
5	Histopathological effects of printed contact lenses on rabbit corneoconjunctival surface	Dr. Furqan A. Maulvi	Leo Lens Technology Inc., California 92128, USA	External [UTU/MOU/2276/2016-2017]	76,000/- UTU/MOU/2276/2016-2017, May 2016	MPC/Account/1013/2017-18

## Academic year 2015-2016

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Efficacy of timolol printed contact lenses in the treatment of glaucoma	Dr. Furqan A. Maulvi	Leo Lens Technology Inc., California 92128, USA	External [UTU/Admin/3177]	2,28,000/- UTU/Admin/3177 May 2016	MPC/Account/1012/2017-18
2	Role of DPP-IV Inhibitors : Beyond Diabetes – An Emphasis on Cardioprotection and Neuroprotection	Dr. Bhavin Vyas	Gujarat Council on Science and Technology, Gandhinagar	External [GUJCOST/MRP/2015-16/2705]	1,50,000/- [GUJCOST/MRP/2015-16/2705] March 2016	Completed
3	Development of Analytical Method for Quality Control of Herbal Product Throughout its Self-Life	Mr. Bhavik Satani	Gujarat Council on Science and Technology, Gandhinagar	External [GUJCOST/MRP/2015-16/2704]	2,80,000/- [GUJCOST/MRP/2015-16/2704] March 2016	Completed
4	Controlled ophthalmic drug delivery through contact lenses using implantation technology	Dr. Furqan A. Maulvi	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/2015-16/1759-7]	1,00,000/- [UTU/RPS/2015-16/1759-7] Jan 2016	Completed MPC/Account/599/2017-18
5	Development of co-processed excipient pellets [Momlets] by extrusion spheronization technique	Ms. Hetal Patel	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/2015-16/1759-9]	50,000/- [UTU/RPS/2015-16/1759-9] Jan 2016	Completed
6	Development of antidiabetic and aldose reductase inhibitors	Dr. Gajanan Kalyankar	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/ACADEMIC/15/2016]	50,000/- [UTU/RPS/2015-16/1759-8] Jan 2016	Completed
7	To evaluate antihypertensive activity of eperisone hydrochloride	Dr. Shrikant V. Joshi	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/PROMOTION/1745/2016]	70,000/- [UTU/RPS/2015-16/1759-6] Jan 2016	Completed MPC/Account/665/2017-18
8	Green synthesis, characterization of gold nanoparticles and their potential application for antimicrobial and immunomodulatory compound for tuberculosis treatment.	Dr. Arti Gupta	Research Promotion Scheme - Uka Tarsadia University	Internal [UTU/RPS/2015-16/1759-2]	50,000/- [UTU/RPS/2015-16/1759-2] Jan 2016	Completed MPC/Account/89/2017-18

9	Evaluation of cardioprotective effect of Fenofibrate in Experimental animals	Ms. Janki Ketanbhai Desai	Research Promotion Scheme - Uka Tarsadia University	Internal	80,000/- [UTU/RPS/2015-16/1759-2] Jan 2016	Completed
10	Formulation development of Prazosin controlled porosity osmotic pump tablets	Dr. Pranav J Shah	Gujarat Council on Science and Technology, Gandhinagar	External [GUJCOST/SSP/2015-16/1585]	14,000/- [GUJCOST/SSP/2015-16/1585]	Completed
11	Extended delivery of cyclosporine with multilayer printed contact lenses using 3 D Digital Inkjet Printing Technology	Dr. Furqan A. Maulvi	Leo Lens Technology Inc., California 92128, USA	External [utu/admin/6/1-7-15]	7,22,000/- [utu/admin/6/1-7-15] July 2015	On-going



## Academic year 2014-2015

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Bioavailability enhancement of poorly soluble drugs using liquid-solid technique	Dr. Pranav J Shah	Gujarat Council on Science and Technology, Gandhinagar	External [GUJCOST/ MRP/2015-16/1161]	1,27,000/- [GUJCOST/MRP/ 2014-15/277] May 2015	Completed
2	Transdermal delivery of vitamin D using microemulsion based colloidal carriers	Dr. Sanjay Tiwari	Gujarat Council on Science and Technology, Gandhinagar	External GUJCOST/MRP/ 2014-15/2548	3,20,000/- [GUJCOST/MRP/ 2014-15/2548] March 2015	MPC/GUJCOST/ 236/2016-17
3	Synthesis and Biological Evaluation of Mercaptobenzimidazole Derivatives	Dr. Sandesh R. Lodha	Research Promotion Scheme - Uka Tarsadia University	Internal [207/ 2014]	1,00,000/- [207/2014] December 2014	Completed
4	Establishment of advance approach for quality control of herbal product throughout their shelf life	Mr. Bhavik Satani	Uka Tarsadia University	Internal [207/ 2014]	75,000/- [207/2014] December 2014	Completed
5	Pharmacodynamic and Pharmacokinetic study of 3D printed Bimatoprost Contact Lenses	Dr. Furqan A. Maulvi	Leo Lens Technology Inc., California 92128, USA	External [utu/admin/593/ 2014-15]	1,99,500/- [utu/admin/ 593/2014-15] Aug 2014 [2014-2015]	MPC/Account/ 578/2017-18
6	Extended delivery of ophthalmic drugs by Reservoir Contact Lenses using 3 D Digital Inkjet Printing Technology	Dr. Furqan A. Maulvi	Leo Lens Technology Inc., California 92128, USA	External [utu/241/ 2014-15]	7,22,000/- [utu/241/2014-15] July 2014 [2014-2015]	MPC/Account/ 577/2017-18

## Academic year 2013-2014

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Ophthalmic drug delivery of Ketotifen and Hyaluronic acid through contact lens using 3D Digital Inkjet printing technology	Dr. Furqan A. Maulvi	Leo Lens Technology Inc., California 92128, USA	External [utu/admin/2013-14]	6,08,000/- [utu/admin/2013-14] July 2013 [2013-2014]	MPC/Account/576/2017-18

## Academic year 2012-2013

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Development of inhalable microparticulate carrier systems for deep lung delivery of isoniazid	Dr. Shailesh A. Shah	Gujarat Council on Science and Technology, Gandhinagar	External [GUJCOST/MRP/2012-13/53/1327]	4,60,000/- [GUJCOST/MRP/2012-13/53/1327] March 2013	Completed
2	Antihyperlipidemic activity of polyherbal formulation	Dr. Bhavin A Vyas	PinkHealth Sahajanand Life Science Pvt Ltd Surat	External	70,875/- May 2013	Completed

## Academic year 2011-2012

Sr. no.	Title of Research Project	Principal Investigator, Department	Name of Funding agency	Fund type (External/Internal) and reference number	Amount of Research Grant Sanctioned with Letter No. & Date	Current status/ Utilization certificate no.
1	Microemulsion based delivery system of Nutraceuticals as personal care products	Dr. Abhay Dharamsi	All India Council for Technical Education [AICTE]	External	8,62,500/- 8023/RID/RPS-68(Pvt.)/2011-12 Jan 2012	Completed (May 2013)