



**ACTIVITIES CARRIED OUT TO DEVELOP RESEARCH AND INNOVATION  
ECOSYSTEM: A SUMMARY REPORT**

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## B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE



Kasarwadi, At-Post Sawarda, Taluka Chiplun,  
Dist. Ratnagiri - 415606. Maharashtra State, INDIA  
Tel. : +91 02355 264636 / 264637  
Fax : +91 02355 264693 Email : info@bklwrmc.com  
Website : www.walawalkarmedicalcollege.com

### SUMMARY OF ACTIVITIES CARRIED OUT TO DEVELOP RESEARCH AND INNOVATION ECOSYSTEM

Step by step reaching towards institutional vision of nurturing “research and innovation” for benefit of rural underprivileged peoples

#### A) Establishment of facility for creating ECOSYSTEM for research and innovation

1. Role of Scientific Advisory Committee and Institutional Ethics committee
2. Recognition from scientific Industrial research organization (SIRO)
3. Dr. M.G. Deo **Molecular Biology Laboratory**, established under the guidance of Dr. Rita Mulherkar, Scientist, Researcher, Administrator Ex. Chairman & Professor, Mulherkar Lab, ACTREC, Navi Mumbai.
4. Samarth krupa Life sciences Pvt. Ltd. GMP - Compliant **Therapeutic Cell Culture Facility (TCCF)** – Started on 8 October 2021, this facility is working on production of the medicinal product comprising of ex vivo expansion of autologous disc cells grown in human platelet lysate.
5. The institute has started a “**Genomics Laboratory**” on 3<sup>rd</sup> June 2022, with the initiation of genomic studies at BKLWRMC under the guidance of Dr. Neelam Shirsat and Dr. Shripad Banavali, Tata Memorial Hospital, who are carrying out a project to develop a blood test for the early detection and monitoring of cancer patients.

#### B) Sanitizations and training to students and faculties

Through some of the guest lectures and workshops carried out to create innovative ecosystem are mentioned below.

1. Workshop on “Collaborative network for adolescent nutrition and health in Sub-Saharan Africa and India” by MRC Life course Epidemiology Unit, University of Southampton, UK. - 5<sup>th</sup> to 9<sup>th</sup> Feb 2018.
2. Guest lecture on “Patent applications and innovations” by Prof. Ganesh Hingmire (Director, GMGC - Great Mission Group Consultancy) conducted on 29.03.2019.

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3. Guest lecture on '**Nature and Nurture in shaping our Health and Disease**' on 21<sup>St</sup> December 2019 at 3.30 pm Dr. Ritwick Sawarkar, program Leader at MRC, University of Cambridge, United Kingdom.
4. Lecture on - "**Research during MBBS -A vital step towards becoming a Clinician Scientist**" by Dr. Partha Dabke, MBBS, PhD, Dept. of Pediatric Metabolic Medicine, Hannover Medical School, Germany, President, Indian Association Hannover (IASH) - Saturday , 26<sup>th</sup> June 2021, @ 3 pm IST.
5. Hands on Training of Nucleic acid Extraction and Gel Electrophoresis by Rita Mulherkar, Scientist, Researcher, Administrator Ex. Chairman & Professor, Mulherkar Lab, ACTREC, Navi Mumbai.

  
Medical Director  
B. K. L. Walawalkar  
Rural Medical College

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c) List of some self-funded projects and funded projects / research work carried out in Incubator center under guidance of scientific advisory committee with approval and support from institutional ethics committee.

SR NO	Project title	Name of faculty	Facility
1	A project entitled "New Directions For Research in Diabetes in India: The harbinger for future Diabetes - An Adolescent and preconception health perspective" – <u>DERVAN COHORT</u> funded by Rajiv Gandhi Science & Technology Commission Maharashtra state was started on 4 <sup>th</sup> Feb, 2019.	Dr. Suvarna Patil	Central research Lab
2	A Phase I/II clinical trial to examine the safety and efficacy of autologous, cultured disc chondrocytes embedded in PRF transplanted in patients' disc to maintain its function	Dr. Sunil Nadkarni	Therapeutic Cell Culture Facility (TCCF)
3	"Liquid Biopsy for early detection and monitoring disease progression in Cancer"	Dr. Nilam Shirsat	Geonomic Lab
4	"Isolation and characterization of secretory fgA from human milk from previously COVID-19 positive mothers' and uninfected mothers"	Dr. Rita Mulherkar Dr. Rohit Bhat Dr. Yogendra Shelke	Molecular Biology Laboratory
5	Good Manufacturing Practices (GMP) compliant scale up of Human Platelet Lysate (hPL) as a Product for Clinical Grade Expansion of Human Cells for Cellular Therapies.	Dr. Rita Mulherkar Dr. Rohit Bhat	Therapeutic Cell Culture Facility (TCCF)


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Idea for following Patents “incubated” in our different facilities of incubation center & many such newer ideas at stage of incubation.

Patent No	Name of patent	Patentee
366819	An apparatus for disinfection of household objects and material	Mr. Vikas Kamlakar Walawalkar Dr. Suvarna Netaji Patil Dr. Sunil Manohar Nadkarni
Application No.201921024182 A	A MENSTRUATION PREDICTION KIT	Dr. Suvarna Netaji Patil

  
Medical Director  
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A) Establishment of different facilities:

### 1) Scientific advisory committee

Formation of scientific advisory committee in 2015 is first “milestone” towards development Research and Innovation Ecosystem in the Institute.

This is multidisciplinary committee, headed by eminent scientists of different fields. Institute was fortunate enough in getting Indian nuclear physicist Padmavibhushan Dr **Anil Kakodkar sir as chair person** for scientific advisory committee along with Padmabhushan Dr.T.Ramasami, (Scientist, Researcher, and Social Activist).

Detailed scientific advisory committee along with renowned member as below:

Sr. No	Name	Organization	Official Address
1	Dr. Anil Kakodkar	Bhabha Atomic Research Centre	Bhabha Atomic Research Centre 7 <sup>th</sup> Floor, Central Complex Trombay, Mumbai-400085
2	Dr. T. Ramasami	Chairman, Oversight Committee; Science & Engineering Research Board	38/21, V-Cross Street Rajalakshmi Nagar Extension Velachery,Chenna 600042.TN
3	Dr. Rita Mulherkar	Ex. Chairman & Professor, ACTREC, Navi Mumbai, Mulherkar lab	A 103 Park Dew; Sector 20 Kharghar, Navi Mumbai 410210
4	Prof. B. Ravi	Engineer, Institute Chair Professor	309, 2 <sup>nd</sup> Floor, Mechanical Engineering Department Indian Institute of Technology, Powai, Mumbai 400076.
5	ShriChandrashek harGarde	Professor, LMISTE Dept. of Engineering & Applied Sciences	Vishwakarma Information Technology, Pune 411048
6	Dr. Sanjay Oak	Surgeon, Educationist Vice Chancellor, DY Patil University;	Vice Chancellor, DY Patil University; Sector 7, NerulNavi Mumbai 400706
7	ShriJayantkumar Banthia	Ex-Chief Secretary Gov. of Maharashtra	
8	Dr. ShripadBanavali	Professor & Head, Dept. of Medical Oncology Tata Memorial Center,	Tata Memorial Center, Mumbai 400012
9	ShriVikasWalawal kar	Industrialist, Social Activist, Managing Trustee, ShriVithalrao Joshi Charities Trust	Suyash, Near Amar Hind MandalGokhale Road (North), Dadar (W) Mumbai 400028.
10	Dr. SuvrnaPatil	BKL WalawalkarRural Medical College,	BKL Walawalkar Hospital, Dervan, Tal- Chiplun, Dist-Ratnagiri

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**Image:** Indian nuclear physicist Padmavibhushan Dr Anil Kakodkar sir heading SAC meeting along with other eminent scientific committee members at BKLWRMC Dervan

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**2) Institutional ethics committee**

Institutional Ethics Committee (IEC) was established in August 2015 as per the ICMR and ICH-GCP guidelines for Ethics Committees, with a mandate for combined scientific and ethics review of research projects being conducted in Institute. With precious guidance, support and directions from scientific advisory committee "Institutional ethics committee" is working in institute since years.

The IEC is approved from DGCI. Since its inception, IEC has held **63 full board meetings** and reviewed **154 Investigator Initiated Projects** till 22.06.2022, which includes Biomedical Health Research and Clinical Research.

Institutional Ethics Committee (IEC):

SR NO	Name	Position	Expertise
1	Dr.Mahendra Gulati	Chairperson	Radiologist
2	Dr. Arvind S. Yadav	Member secretary	Basic Medical Scientist
3	Dr.Shripad Banavali	Member	Clinician /oncologist
4	Dr. Shivaleela	Member	Clinical Pharmacologist
5	Dr. Sunita Patil	Member	Clinical Pharmacologist
6	Mr. Suresh S. Pakale	Member	Legal Expert
7	Dr. Rita Mulherkar	Member	Scientist
8	Dr. Vijay D Dombale	Member	Clinician/ Pathologist
9	Dr. Abhay Desai	Member	Clinician
10	Dr. Mrs. Suneeti Gore	Member	Microbiologist
11	Dr. Anand Joshi	Member	Gastroenterologist
12	Mr. Kamalesh Joshi	Member	Legal Expert
13	Miss. Dipali Parab	Member	Social Scientist
14	Mr. Mandar Phadke	Member	Lay person



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Images: IEC meeting in Hybrid mode (offline and online)

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**3) Recognition from scientific Industrial research organization (SIRO)**

In-house R&D unit(s) of Institute is recognized by Scientific and Industrial Research Organizations (SIROs) & Department of Scientific & Industrial Research (DSIR).

 <p>सूचना का अधिकार RIGHT TO INFORMATION</p>	<p>दूरभाष/TEL : 26562819, 26567373 (EPABX) : 26565694, 26562133 : 26565687, 26562144 : 26562134, 26562122 फैक्स/FAX : 26900629, 26529745 Website : http://www.dsir.gov.in</p>	 <p>भारत सरकार विज्ञान और प्रौद्योगिकी मंत्रालय वैज्ञानिक और औद्योगिक अनुसंधान विभाग टेक्नोलॉजी भवन, नया महरौली मार्ग, नई दिल्ली - 110016 GOVERNMENT OF INDIA MINISTRY OF SCIENCE AND TECHNOLOGY Department of Scientific and Industrial Research Technology Bhavan, New Mehrauli Road, New Delhi - 110016</p>
		
F.No. 14/752/2018-TU-V		Date: 9 <sup>th</sup> September 2021
<p><b>The Managing Trustee Shri Vithalrao Joshi Charities Trust's B.K.L. Walawalkar Hospital &amp; Rural Medical College, A/P Kasarwadi, Sawarde, Taluka – Chiplun, District Ratnagiri – 415606, Maharashtra</b></p>		
<p><b>Subject: Renewal of Recognition of Scientific and Industrial Research Organisations (SIROs).</b></p>		
Dear Sir,		
<p>This has reference to your application for renewal of recognition of <b>Shri Vithalrao Joshi Charities Trust's B.K.L. Walawalkar Hospital &amp; Rural Medical College, Chiplun, District Ratnagiri, Maharashtra</b> as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.</p>		
<p>2. This is to inform you that it has been decided to accord renewal of recognition to <b>Shri Vithalrao Joshi Charities Trust's B.K.L. Walawalkar Hospital &amp; Rural Medical College, Chiplun, District Ratnagiri, Maharashtra</b> from <b>01.04.2021 to 31.03.2024</b>. The recognition is subject to terms and conditions mentioned overleaf.</p>		
<p>3. Receipt of this letter may kindly be acknowledged.</p>		
<p>Yours faithfully,  <b>(Dr. P.K. Dutta)</b> Scientist - 'F'</p>		

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B) Establishment of different facilities:

### 1) Photos of Molecular Laboratory






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### 2) Therapeutic Cell Culture Facility (TCCF)



**Samarthakrupa Lifesciences Pvt Ltd**  
*Cordially invites you*  
*to*  
*the virtual inauguration*  
*of*

**THERAPEUTIC CELL CULTURE FACILITY**  
*by*  
**Chief Guest**  
**Dr. Renu Swarup,**  
*Secretary to GoI, Department of Biotechnology*

**Guest of Honour**  
**Dr. Anil Kakodkar,**  
*AICTE Distinguished Chair, Professor, Chairman, Rajiv Gandhi Science & Technology Commission, Former Chairman, Atomic Energy Commission*

**Date:** 8th October 2021  
**Time:** 11 am to 12 pm  
**Venue:** SVJCT's BKL Walawalkar Hospital,  
Sawarde, District Ratnagiri

**Hosts**  
**Mr. Vikas Walawalkar, Dr. Rita Mulherkar, Dr. Sunil Nadkarni**  
*(Directors, SKLS)*

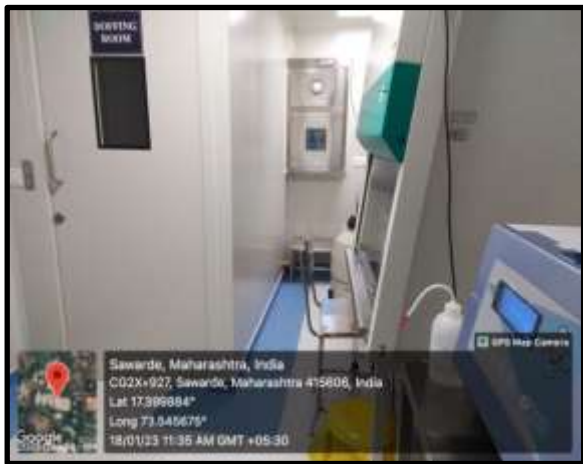
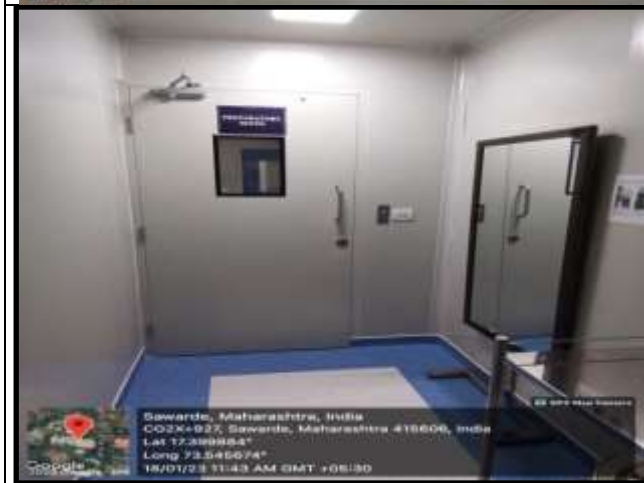
Link for joining with Google Meet : [meet.google.com/mhe-avnu-xpp](https://meet.google.com/mhe-avnu-xpp)

Shri Vitthalrao Joshi Charities Trust's

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### 3) Genomics Laboratory

BKL Walawalkar Rural Medical College & Hospital, Sawarde, Dist - Ratnagiri  
All faculties of college are cordially invited  
**GENOMICS  
LABORATORY  
OPENING  
03 JUNE 2022**  
Time 10.30 am

Opening at the hands of  
**Shri Ashok Joshi**  
( Trustee, SVJCT )  
in presence of  
**Shri Vikas Walawalkar**  
( Managing Trustee, SVJCT )

Other dignitaries  
Dr Rita Mulherkar, Scientist  
Dr Neelam Shirsat, Scientist  
Dr Vijay Dombale, Principal

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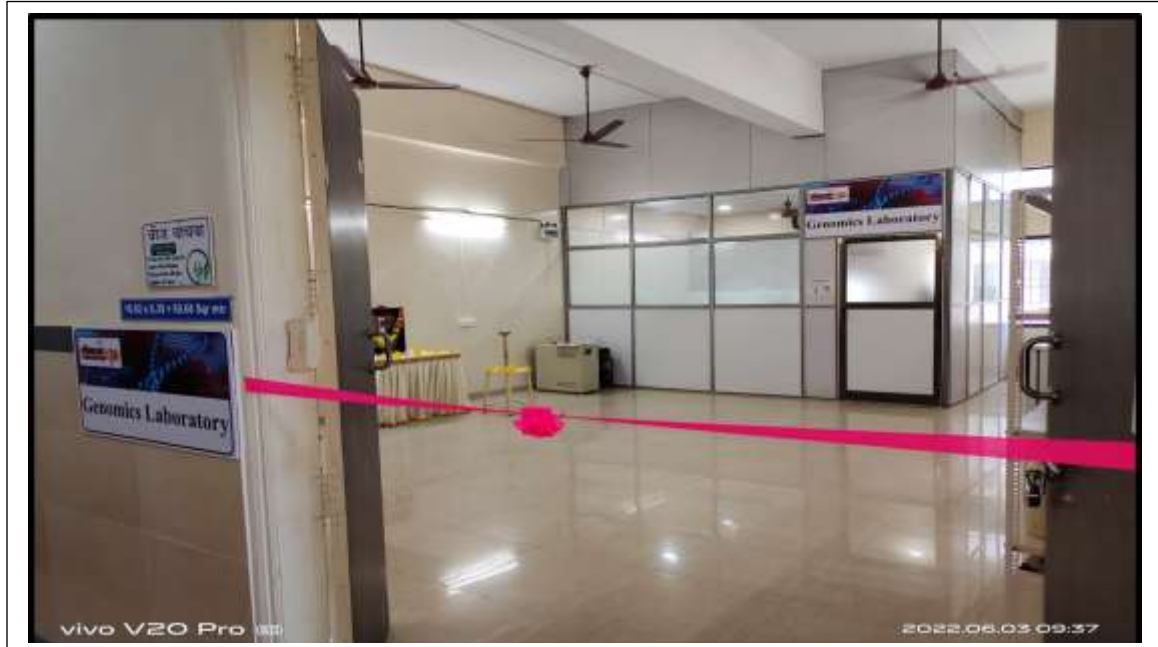
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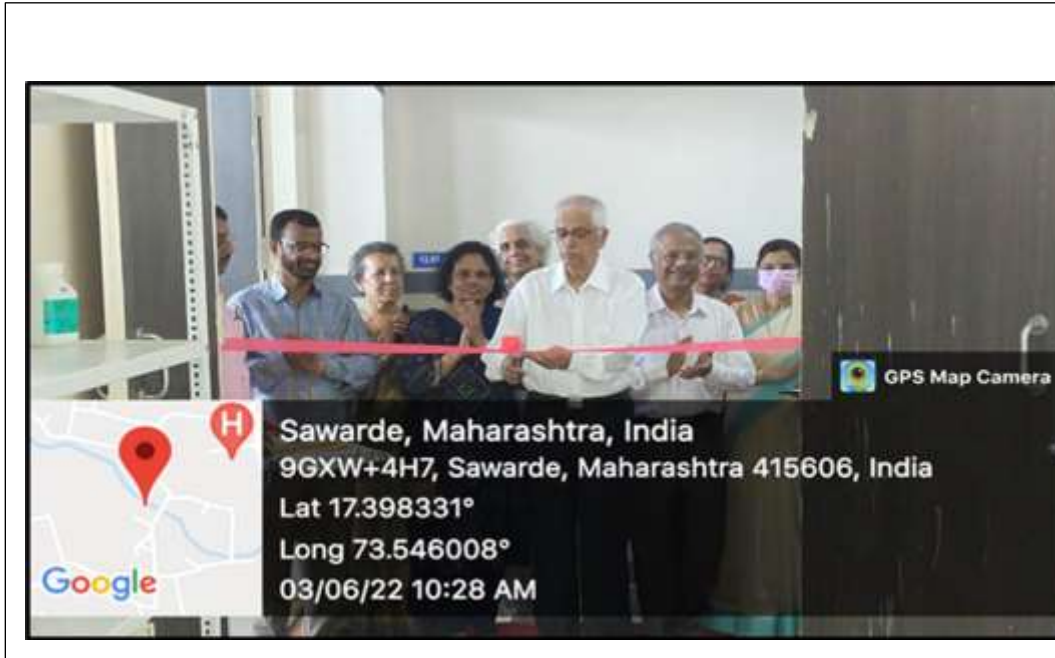


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**PHOTOS OF WORKSHOP AND TRAINING CONDUCTED**

1. Workshop on “Collaborative network for adolescent nutrition and health in Sub-Saharan Africa and India” by MRC Life course Epidemiology Unit, University of Southampton, UK. - 5<sup>th</sup> to 9<sup>th</sup> Feb 2018.





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### 2) Workshop on "Patent applications and innovations" by Prof. Ganesh Hingmire



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3) Guest lecture on 'Nature and Nurture in shaping our Health and Disease' by Dr. Ritwick Sawarkar



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4) online Guest lecture - **“Research during MBBS -A vital step towards becoming a Clinician Scientist”** by Dr. Partha Dabke

**BKL Walawalkar Rural Medical College**

### Research Awareness Lecture Series

Organized by  
**SVJCT's**  
BKL Walwalkar Rural Medical College & Hospital, Sawarde, Ratangiri

A Webinar on  
**“Research during MBBS - A vital step towards becoming a Clinician Scientist”**  
by  
**Dr. Partha Dabke**  
MBBS, PhD  
Dept. of Pediatric Metabolic Medicine,  
Hannover Medical School, Germany  
President, Indian Association Hannover (IASH)

Saturday , 26<sup>th</sup> June 2021, @ 3 pm IST.  
**Venue**  
**Lecture Hall No. 1**  
Session will be held through Zoom  
Registration is Free

A photograph of Dr. Partha Dabke, a man with glasses and a white lab coat, smiling and holding a pipette in a laboratory setting.



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5) Hands on Training of Nucleic acid Extraction and Gel Electrophoresis by Rita Mulherkar, Scientist, Researcher, Administrator Ex. Chairman & Professor, Mulherkar Lab, ACTREC, Navi Mumbai.



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## Supportive documents of some recent Projects with Extramural fund or self-funded

1) DERVAN COHORT funded by Rajiv Gandhi Science & Technology Commission Maharashtra state was started on 4<sup>th</sup> Feb, 201

## Ethical approval

Shri Vitthalrao Joshi Charities Trust's  
**B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE**  
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Out Ward No:- BKLW/RMC/IEC/16/2018(07) Date:- 21/07/2018

**Approval Letter**

To,  
Dr. Suvama Patil

Subject: IEC Approval Letter

On 21<sup>st</sup> July, 2018 the IEC of B.K.L. Walawalkar Rural Medical College and Hospital reviewed and discussed the following documents with regards to your submission on research proposal as entitled "New Directions for Research in Diabetes in India: The harbinger of future Diabetes-As-Adolescent and preconception Health Perspective (DERVAN cohort) Stage-3".

Documents Submitted for IEC review & approved are listed below:

Sr. No.	Document
1	Project Submission Form
2	Presentation "pt1.ppt" - 21 <sup>st</sup> April, 2018
3	Information Consent Document - English Language / Marathi Language

The above documents were reviewed by the ethics committee member and the study is approved by IEC to be conducted in its present form. You are requested to submit the progress report after 6 months to IEC for review. Any change, modification or deviation in protocol must be informed to IEC. Any protocol modification or amendment must receive IEC approval.

We hereby confirm that you have not participated in the voting / decision making procedure of the Ethics committee. The members of the committee who have participated in the voting / decision making procedure of the Ethics committee do not have any conflict of interest in the referred study. Also you are requested to provide a copy of the final report. This Ethics Committee is organized and operates according to Good Clinical Practice and Schedule Y requirements.

Yours Sincerely,  
  
Dr. Mahendra Gulati,  
Chairman, Ethics Committee,  
BKLW/RMC&H  
Institutional Ethics Committee  
B.K.L.W Rural Medical College & Hospital,  
Sawarda, Ratnagiri - 415605



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Sanction order

**Rajiv Gandhi Science & Technology Commission**  
Government of Maharashtra

No. RGSTC/F02-2018/DPP-195/CR-38  
3<sup>rd</sup> Floor, Apeejay House,  
Dinshaw Vachha Road, Near K. C. College,  
Churchgate, Mumbai - 400 020,  
Tel: No. 022-22024755/22024711  
E-mail: rgstcmah@rediffmail.com  
Dated: - 4<sup>th</sup> February, 2019.

**Sanction Order**

Sub: Project Proposal entitled "New Directions for Research in to Diabetes in India: The Harbinger of Future Diabetes - An Adolescent and Preconception Health Perspective (DEVKAN Cohort) PHASE - I".

- Ref 1) Project Proposal letter No. SVJCT/BKLWRC/855/2018 dated 12.04.2018 received from B.K.L. Walawalkar Rural Medical College, Kasarwadi, AP - Sawarda, Tal - Chiplun, Dist - Ratnagiri - 415 606.
- 2) RGSTC Letter dated 20<sup>th</sup> December, 2018.
- 3) Revised Project Budget and justification received from B.K.L. Walawalkar Rural Medical College, Ratnagiri through E-mail dated 26<sup>th</sup> December, 2018 and 29<sup>th</sup> December, 2018.
- 4) Revised Project Budget from B.K.L. Walawalkar Rural Medical College, Ratnagiri through E-mail dated 18<sup>th</sup> January, 2019 (Letter No.: SVJCT/BKLWR MC/049/2019).

For advancement, propagation and promotion of applications of Science and Technology for development and to tackle various problems facing the society, the Government of Maharashtra has set up Rajiv Gandhi Science and Technology Commission. One of the objectives of the commission is to catalyse application of innovations in sectors like food processing, energy, water, agriculture, fisheries, industries, bio-diversity conservation etc. to create knowledge based society for sustained economic progress.

2. Rajiv Gandhi Science and Technology Commission (RGSTC), under its scheme "Assistance for Science and Technology Applications" has received a project proposal entitled, "New Directions for Research in to Diabetes in India : The Harbinger of Future Diabetes - An Adolescent and Preconception Health Perspective (DEVKAN Cohort) PHASE - I" of 3 years duration with total estimated cost of Rs. 4,48,13,200/- (Four Crore Forty Eight Lakh Thirteen Thousand Two Hundred Only) from B.K.L. Walawalkar Rural Medical College, Sawarda, Kasarwadi, Tal - Chiplun, Dist - Ratnagiri. The objective of the project is to set up a cohort of adolescent girls, which will be named DEVKAN (Development and Evolution of Rural Viable Adolescent and Neonate) study cohort; to provide health education to selected girls, parents, teachers, nurses, paramedical workers in the study area; assess their physical growth, nutrition, cognitive function; measure the micronutrient in the blood sample, create a high risk group and follow them every year to assess physical growth and nutrition. The proposal was duly processed and reviewed by the Project Appraisal Committee (PAC) of RGSTC. The institute has submitted revised total estimated cost of Rs. 4,35,91,000/- (Four Crore Thirty Five Lakh Ninety One Thousand Only).

Shri Vithalrao Joshi Charities Trust's

## B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE



Kasarwadi, At-Post Sawarda, Taluka Chiplun,  
Dist. Ratnagiri - 415606. Maharashtra State, INDIA  
Tel. : +91 02355 264636 / 264637  
Fax : +91 02355 264693 Email : info@bklwrmc.com  
Website : www.walawalkarmedicalcollege.com

2) A Phase I/II clinical trial to examine the safety and efficacy of autologous, cultured disc chondrocytes embedded in PRF transplanted in patients' disc to maintain its function



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**B. K. L. WALAWALKAR HOSPITAL,  
DIAGNOSTIC & RESEARCH CENTRE**

ISO 9001: 2015 Certified

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Tel. : 02355-264137 / 264149 / 9356427731 / 8847790149 / 9656510149  
Email: info@walawalkarhospital.com Website: www.walawalkarhospital.com

Outward No:-BKLWRC/IEC/36/2021

Date:- 10.10.2021

To  
Dr . Sunil Nadkarni  
Samarthakrupa Lifesciences Pvt. Ltd.

Subject: Final Approval of project # 128

The Institutional Ethics Committee reviewed your revised application to conduct the research study entitled "A Phase I/II clinical trial to examine the safety and efficacy of autologous, cultured disc chondrocytes embedded in PRF transplanted in patients' disc to maintain its function", discussed during the 55<sup>th</sup> meeting held on 18.09.2021 at 7.00pm in the Meeting Room in OPD building at BKLWalawalkar Rural Medical College and Hospital (BKLWRC&H). Most members joined the meeting online.

The following members of the BKLWRC&H-IEC joined the virtual meeting online:

Sr. No.	Name	Affiliation	Gender	Expertise
1	Dr. Mahendra Gulati	A201, Gold Coast Ivory, Estate Banner Road, Near Green Park Hotel Banner, Pune 8	Male	Chairman
2	Dr. Arvind S. Yadav	BKL Walawalkar Rural Medical College & Hospital, Sawarde	Male	Secretary
3	Dr. Shripad Banavali	Professor & Consultant Haematologist- Oncologist, Tata Memorial Hospital, Mumbai. 11/A, JyotiSadon, Sitaladevi Temple Road, Mahim, Mumbai - 400016.	Male	Clinician
4	Mr. Suresh S. Pakale	Advocate, Eliphistone Building, 1 <sup>st</sup> Floor, 10, Veer Nariman Road, Near Horniman Circle, Fort, Mumbai- 400001.	Male	Legal Expert
5	Mr. Mandar Phadke	17, Vrundavan Society, Navi Peth, Near Mhatre Bridge, Chintamani Bungalow, Pune- 30.	Male	Lay person

128\_Sunil Nadkarni\_Final Approval\_2021

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DEAN

Shri Vitthalrao Joshi Charities Trust's

## B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE



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Fax : +91 02355 264693 Email : info@bklwrmc.com  
Website : www.walawalkarmedicalcollege.com

### 3) "Liquid Biopsy for early detection and monitoring disease progression in Cancer"

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**B. K. L. WALAWALKAR HOSPITAL,  
DIAGNOSTIC & RESEARCH CENTRE**

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Email: info@walawalkarhospital.com Website: www.walawalkarhospital.com

**Out Word No:- BKLWH/IEC/496/2020**      **Date:- 27.12.2020**

**To**  
**Dr. Neelam Shirsat**  
**Principal Investigator**  
**BKLWH**

**Subject: Final Approval of project # 124**  
The Institutional Ethics Committee reviewed your application **18.12.2020** to conduct the research study entitled "**Liquid Biopsy for early detection and monitoring disease progression in Cancer**" discussed during the **49<sup>th</sup> meeting held on 19.12.2020 at 7.00 p.m. in the Training room in IT Dept. at B.K.L.Walawalkar Hospital, Diagnostic & Research Centre (BKLWH)**

**The following member of the BKLWH -IEC were present:**

Sr. No.	Name	Affiliation	Gender	Expertise
1	Dr. Mahendra Gulati	A201, Gold Coast Ivory, Estate Banner Road, Near Green Park Hotel Banner, Pune 8	Male	Chairman
2	Dr. Arvind S. Yadav	BKL Walawalkar Rural Medical College & Hospital, Sawarde	Male	Basic Medical Scientist
3	Dr. Shripad Banavali	Professor & Consultant Haematologist- Oncologist, Tata Memorial Hospital, Mumbai. 11/A, Jyoti Sadan, Sitaladevi Temple Road, Mahim, Mumbai - 400016.	Male	Clinician
4	Mr. Suresh S. Pakale	Advocate, Eliphistone Building, 1 <sup>st</sup> Floor, 10, Veer Nariman Road, Near Horniman Circle, Fort, Mumbai- 400001.	Male	Legal Expert
5	Mr. Mandar Phadke	17, Vrundavan Society, Navi Peth, Near Mhatre Bridge, Chintamani Bungalow, Pune- 30.	Male	Lay person
6	Mr. Dinesh Pujari	Aakansha Niwas, Sant Rohidas nagar, shivatar road, Khed	Male	Social Scientist
7	Dr. Mrs. Suneeti Gore	Microbiologist, 1128 Shivajinagar, S.No. 504, 8, Kamala Regency, Dynaneshwar Paduka Chowk, Fergusson college road, pune-411016	Female	Scientist

Neelam Shirsat\_Final Approval\_2020



**B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE**



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Fax : +91 02355 264693 Email : info@bklwrmc.com  
Website : www.walawalkarmedicalcollege.com

4) Isolation and characterization of secretory IgA from human milk from previously COVID-19 positive mothers 'and uninfected mothers'

Shri Vithalrao Joshi Charities Trust's  
**B. K. L. WALAWALKAR HOSPITAL,**  
**DIAGNOSTIC & RESEARCH CENTRE**

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Kasarwadi, Post Sawarda Taluka - Chiplun, Dist. Ratnagiri, Maharashtra - 415606.  
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**Out Word No:- BKLW/RMC/IEC//2020 (59)-83**      **Date:- 24.06.2020**

**To**  
**Dr . Yogendra Shelke**  
**Principal Investigator**  
**BKLWRC&H**

**Subject: Final Approval of project # 83**

The Institutional Ethics Committee reviewed your application **16.06.2020** to conduct the research study entitled **"Isolation and characterization of secretory IgA from human milk from previously COVID-19 positive mothers' and uninfected mothers"** discussed during the **46<sup>th</sup> meeting held on 21.06.2020 at 11.00 a.m. in the Training room in IT Dept. at B.K.L.Walawalkar Rural Medical College and Hospital (BKLWRC&H)**

**The following member of the BKLWRC&H -IEC were present:**

Sr. No.	Name	Affiliation	Gender	Expertise
1	Dr. Mahendra G. Jaisi	A201, Gold Coast Ivory, Estate Banner Road, Near Green Park Hotel Banner, Pune 8	Male	Chairman
2	Dr. Arvind S. Yadav	BKL Walawalkar Rural Medical College & Hospital, Sawarda	Male	Basic Medical Scientist
3	Dr. Shripad Banavelli	Professor & Consultant: Haematologist- Oncologist, Tata Memorial Hospital, Mumbai, 11/A, Jyoti Sadan, Sitaladevi Temple Road, Mahim, Mumbai - 400016.	Male	Clinician
4	Dr. Santosh C. Gursale	BKL Walawalkar Rural Medical College & Hospital, Sawarda	Male	Clinical Pharmacologist
5	Mr. Suresh S. Palkale	Advocate, Ellahistone Building, 1 <sup>st</sup> Floor, 10, Veer Nariman Road, Near Horniman Circle, Fort, Mumbai- 400001.	Male	Legal Expert

83\_Yogendra Shelke\_Final Approval\_2020

Shri Vithalrao Joshi Charities Trust's

## B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE



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Tel. : +91 02355 264636 / 264637  
Fax : +91 02355 264693 Email : info@bklwrmc.com  
Website : www.walawalkarmedicalcollege.com

5) Good Manufacturing Practices (GMP) compliant scale up of Human Platelet Lysate (hPL) as a Product for Clinical Grade Expansion of Human Cells for Cellular Therapies.

Shri Vithalrao Joshi Charities Trust's  
**B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE**

**BKL**  
Walawalkar  
Rural Medical College

At Kasarwadi, Post Sawarda, Taluka Chiplun,  
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Out Word No:- BKLW/RMC/IEC / 2019(11)-62 Date:- 17/11/2019

**Approval Letter**

To  
Dr. Rohit Bhat

**Subject: IEC Approval Letter**

On 16<sup>th</sup> November, 2019 the IEC of B.K.L.Walawalkar Rural Medical College and Hospital reviewed and discussed the following documents with regards to your submission on research proposal as entitled "GMP compliant scale up of Human Platelet Lysate (hPL) as a Product for Clinical Grade Expansion of Human Cells for Cellular Therapies."

Documents Submitted for EC reviews & approved are listed below:

Sr. No.	Document
1	Project Submission Form – P62
2	Presentation "P62.ppt": 16 <sup>th</sup> November, 2019

The above documents were reviewed by the ethics committee member and the study is approved by IEC to be conducted in its present form. You are requested to submit the progress report after 6 months to IEC for review. Any change, modification or deviation in protocol must be informed to IEC. Any protocol modification or amendment must receive IEC approval.

We hereby confirm that you have not participated in the voting/ decision making procedure of the Ethics committee. The members of the committee who have participated in the voting / decision making procedure of the Ethics committee do not have any conflict of interest in the referred study. Also you are requested to provide a copy of the final report. This Ethics Committee is organized and operates according to Good Clinical Practice and Schedule Y requirements.

Yours Sincerely,  
  
Dr. Mahendra Gulati,  
Chairman, Ethics Committee,  
BKLWRC&H

**Medical Director**  
**B. K. L. Walawalkar**  
**Rural Medical College**



**B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE**

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**PATENT**

Patent No	Name of patent	Patentee
Application No.201921024182 A	A MENSTRUATION PREDICTION KIT	Dr. Suvarna Netaji Patil
366819	An apparatus for disinfection of household objects and material	Mr. Vikas Kamlakar Walawalkar Dr. Suvarna Netaji Patil Dr. Sunil Manohar Nadkarni

(12) PATENT APPLICATION PUBLICATION	(21) Application No.201921024182 A
(19) INDIA	
(22) Date of filing of Application :18/06/2019	(43) Publication Date : 09/10/2020
<hr/>	
(54) Title of the invention : A MENSTRUATION PREDICTION KIT	
<hr/>	
(51) International classification	:A61F0013420000, G01N0033720000, G01N0033530000, A61F0013472000, A61B0010000000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA
<hr/>	
(57) Abstract :	
<p>A menstruation prediction device or kit for predicting the onset of menstruation 24 hours in advance and qualitatively determining progesterone in a saliva sample during luteal phase of menstrual cycle in fertile women and girls and menopausal women. The menstruation prediction kit (100) comprises of a sample pad (101), a conjugate pad (103), a stripe area (106) and a wick (107). This point of care device is based on lateral flow technique and encompasses sequentially connected stripes of membranes incorporated in a plastic holder. The sample pad receives the sample (102) which then flows in the direction (108) to enter the conjugate pad wherein the progesterone and antibody complex is formed. This complex further migrates to the strip area that presents a coloured display at test line (104) or control line (105) suggesting presence or absence of progesterone.</p>	
No. of Pages : 21 No. of Claims : 11	
<hr/>	
(71)Name of Applicant :	1)B. K. L. Walawalkar Hospital, Diagnostic and Research Center
Address of Applicant :	at Kasarwadi, a/p Sarawade, Tal. Chiplun, Dist. Ratmagiri-415606 Maharashtra India
(72)Name of Inventor :	1)Dr. Suvarna Netaji Patil

सं. / No. 20201026379

दिनांक / Dated the 17/05/2021

सेवा में, / To :

Address of Service: Rashmi Ganesh Hingmire, 143, Shivajinagar Path, Pune-411008, MH, India  
 Email Id - [rudhalingmire@gmail.com](mailto:rudhalingmire@gmail.com) / [patents@ipc.in](mailto:patents@ipc.in)

विषय :- पेटेंट आवेदन संख्या 20201026379 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अग्रसारण तथा पेटेंट रजिस्ट्रार में प्रविष्टि की सूचना  
 Sub - Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 20201026379

सहायक पेटेंट,  
 Sr. Assistant,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस अधिनियम के तहत अंग्रेजी पेटेंट अधिनियम के प्रावधान [व 24/02/2021 को हुए सुधारों] के अंतर्गत उल्लेखित पेटेंट अग्रसारण किया गया है तथा पेटेंट अग्रसारण की प्रविष्टि 17/05/2021 को पेटेंट रजिस्ट्रार में आ गई है।

This is to inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and having held on 24/02/2021] a patent is hereby granted and recorded in the Register of Patents on the 17/05/2021. The Patent Certificate is enclosed herewith.

पेटेंट संख्या / Patent No	: 366819
आवेदक का नाम / Name Of Applicant	: 1.Mr. Vikas Keshikar Walawalkar 2.Dr. Sujanya Netaji Patil 3.Dr. Sandh Manohar Naykani
पेटेंट दिनांक / Date of Patent	: 22/06/2020
सुविधा दिनांक / Priority Date	: 22/06/2020
परीक्षा हेतु अग्रसारण दर्शाने की तिथि / Filing date of Request for examination	: 26/06/2020
शीर्षक / Title	: AN APPARATUS FOR DISINFECTON OF HOUSEHOLD OBJECTS & MATERIAL AND METHOD THEREOF
दावों की संख्या / Number of claims	: 09 as on date 24-02-2021

अंग्रेजी पेटेंट के अग्रसारण का प्रस्ताव अधिनियम की धारा 43 के तहत पेटेंट अग्रसारण के अधिनियम के तहत प्रकाशित किया जाएगा।  
 The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 का संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 का संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की धारा-संग (4) के प्रावधानों के तहत अग्रसारण प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय में संशोधन शुल्क का भुगतान करना आवश्यक है।  
 The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act,1970, as amended by The Patents (Amendment) Act, 2003 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Sruati Pandey  
 (विशेष पेटेंट)  
 Controller of Patents

ध्यान में / Note :

- संशोधित अधिनियम शुल्क हेतु कृपया भारतीय पेटेंट, अधिनियम एवं न्याय विभाग की अधिनियम वेबसाइट [www.ipindia.gov.in](http://www.ipindia.gov.in) पर उल्लेखित पेटेंट (संशोधन) नियम 2016 की धारा अग्रसारण (अनुसूची) देखें।  
 Fee revised renewal fees kindly refer to the First Schedule (five) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks [www.ipindia.gov.in](http://www.ipindia.gov.in)
- अग्रसारण तथा पेटेंट अग्रसारण की प्रविष्टि की अग्रसारण प्रविष्टि अलग से जारी नहीं की जाएगी।  
 No hard copy of Patent Certificate shall be issued separately by the office.

  
**Medical Director**  
**B. K. L. Walawalkar**  
**Rural Medical College**

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 DEAN