

# **SNDT Women's University**

Shreemati Nathibai Damodar Thackersey Women's University



**NAAC -SSR**

**CRITERION III**

**Supporting Documents**

**for**

**3.4.1.2: Constitution of the ethics committee and its proceedings as approved by the appropriate body**



## **SNDT Women's University**

### **Ethics Policy**

This policy has been approved by the Management Council

#### **I. Introduction:**

SNDT Women's University is in the process of becoming an excellent university, continuously responding to the changing realities of the society by imparting the updated knowledge and its application to follow our MOTTO which is '**Sanskrita Stree Parashakti**' (An Enlightened Woman is a Source of Infinite Strength).

#### **II. Preamble:**

The primary goal of SNDT WU is to create an inclusive society that promotes, protects the dignity, equality, social justice and human rights for all with special emphasis on empowerment of women, along with preserving our cultural property. We are committed to the cause of women's empowerment through access to education, particularly higher education, through relevant courses in the formal, non-formal, wide range of professional and vocational courses for women. SNDT Women's University prepares the students to meet the challenges of the changing socio-economic needs, with human values, social responsibility and to achieve excellence with '**Quality in every Activity**'.

#### **III. Code of Ethics:**

##### **a) Code of Professional Ethics for Teachers**

- To follow the responsible behavior expected of teachers by the society.
- They must maintain their act even outside of the premise of the University as per dignity of their profession.
- Must aspire to make professional growth to meet the challenges coming with time. Must be confident in expressing their views while being part of any professional

body; always strive to improve education and profession through their updated knowledge.

- Must perform their duties i.e. teaching, guiding the students, attending and organizing the seminars, workshops, research work, in an excellent manner on continuous basis.
- Teachers shall participate in extension, co-curricular and extra-curricular activities, which shall include community service.
- Teachers shall be flag bearers of the University

**b) Code of Professional Ethics: Teachers with Students**

- Teachers shall respect the right and dignity of the student while expressing their opinion.
- Teachers shall be impartial with students regardless of their religion, caste, political, economic, social and physical characteristics.
- Students may have different aptitude and capabilities among themselves; teacher must recognize those differences and strive to meet their individual needs. T
- Teachers should encourage the students to improve their accomplishments, improve their personalities and ready contributing to community happiness.
- Scientific temperament shall be inculcated among students, along with imbibing respect for physical labour and ideals of democracy, patriotism and peace.
- Teachers should help and guide students without any expectations, rewards or demands.
- Encourage the students to develop an understanding of our national heritage and national goals to help the nation building process.

**c) Code of Professional Ethics for Persons of the University**

- Inculcate the importance of ethics that are important to discipline the system, which include acts and deeds for all stakeholders, be it Teachers, students, non-teaching staffs, and higher authorities of the University.
- Establish the ethical guidelines and norms to deal with acceptable (good) and non-acceptable (bad) behaviours.
- Apply unique values such as inclusivity, integrity, discipline, and honesty among teachers, students and administrative authorities at every level in daily routines.

- Reflect the impact of inculcated value system in behaviour, academic activities, research work and nature of all stakeholders to make the right decision within available options.
- Practice the ethics at all levels in the existing education system.
- Maintain honest, respectful, loyal, truthful, trustworthy, sincere, and fair interaction at every level.
- Maintain confidentiality of all problems and issues related to every stakeholder, be internal or external, ensuring no information leaks to the unauthorised persons.
- Have a well-defined code of ethical standards for research related activities with zero tolerance against plagiarism.
- Establish various bodies to examine the standard and quality of research
- Establish a Grievance Cell to deal any matter of conflict, efficiently and effectively.
- Maintain responsibilities towards academic, administrative, admission, examination and financial activities.
- Establish inclusivity, respect, punctuality, and uprightness at work.
- Avoid discrimination based on caste creed and language.
- Discourage insubordination, harassment, either general or sexual, substance abuse inside the campus premise.

#### **d) Incorporate Ethics and Human values in Curriculum**

SNDTWU strongly believes that ethics would help in development of humanitarian world vision, human values, human culture and skill for living with good conduct. These are crucial links for the formation of a humane society, human culture and civilization which would be the foundation of an equitable and just society. Department of Management Studies, Engineering and Pharmacy run a programme on ‘Universal Human Values’, to make the students understand:

- harmony in the human being, harmony with themselves.
- harmony in the family and society, having respect of human relationships at every level.
- harmony in nature and existence.
- holistic understanding of harmony in professional ethics.

#### **IV. Policies and Measures:**

- The University ensures that everywhere, be it classrooms, offices, inside or outside of University premises, all stakeholders must observe ethical code of conduct.

- It is monitored that defined code of ethical standards of research related activities must be followed strictly. There is zero tolerance against plagiarism.
- To strengthen the research process, it is compulsory that each PG student does the Internship and research work.
- There are various bodies to examine the standard and quality of the research i.e. Research Ethics Committee.
- Conflict of interest is resolved on priority basis.
- Each department of SNDTWU resolves grievances effectively.
- SNDTWU has a Grievance cell.

SNDT Women's University follows strong professional conduct and ethical principles that govern decisions and behaviours of the university's employees and students. University has a clear guidance for resolving issues like harassment, safety, and conflicts of interest. University is committed to maintain an appropriate ambience for learning and the highest level of academic performance. It is devoted to excellence and integrity in all its endeavours.

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## Minutes of the Institutional Animal Ethics Committee Meeting

The IAEC Committee of CU Shah College of Pharmacy was held on 29<sup>th</sup> August 2016 at 3.00 p.m. in the Principal's room

The following members were present for the meeting:

- |                         |   |
|-------------------------|---|
| 1. Dr. Pratima Tatke    | Chairperson of committee and I/C Principal of institute.      |
| 2. Mrs. Tanmayee Joshi  | Member Secretary  |
| 3. Dr. Pradip Chaudhari | Main Nominee of CPCSEA  |
| 4. Dr. Vikas Dighe      | Scientist outside institute (CPCSEA nominee)                  |
| 5. Dr. Hoshng Bilimoria | Socially aware person from outside institute (CPCSEA nominee) |
| 6. Dr. Shailesh Khade   | Veterinarian of the institute                                 |

Dr. Sunil Chaudhry, Dr. Madhumanjiri Gatne and Dr. Udhav Chaudhari (Link Nominee) were absent with permission.

Dr. Pratima Tatke, Chairman, IAEC, CU Shah College of Pharmacy welcomed all the members present in the meeting.

The agenda of the meeting was as follows:

1. To confirm the minutes of the meeting approved in IAEC held on 20<sup>th</sup> January, 2016.
2. To discuss the progress reports of the protocols approved in IAEC held on , 18<sup>th</sup> January 2013, 02<sup>nd</sup> August 2013, 6<sup>th</sup> March 2014 and 12<sup>th</sup> December 2014 and 20<sup>th</sup> January 2016.
3. To discuss new protocols.
4. Inspection of animal house facility.

Agenda 1. : To confirm the minutes of the meeting approved in IAEC held on 20<sup>th</sup> January, 2016..

Mrs. Tanmayee Joshi read minutes of the meeting held on dated 20<sup>th</sup> January, 2016 and it was unanimously accepted by all members.

Agenda 2. To discuss the progress reports of the protocols approved in IAEC held on , 18<sup>th</sup> January 2013, 02<sup>nd</sup> August 2013, 6<sup>th</sup> March 2014, 12<sup>th</sup> December 201 and 20<sup>th</sup> January 2016: Progress Reports of



the protocols approved in the IAEC meetings held on 18<sup>th</sup> January 2013, 02<sup>nd</sup> August 2013, 6<sup>th</sup> March 2014 12<sup>th</sup> December 2014 and 20<sup>th</sup> January 2016 were discussed.

It was suggested that format of progress report should be modified. It was suggested to mention whether the study was part of any publication/ presentation/ thesis/ presentation etc.

Agenda 3.: Following proposals were discussed in meeting and suggestions were given by IAEC members, as follow

Sr . N o	Protocol no.	Title of Proposal	Animals Requested			Suggestions	Re mar ks
			Type of Animal	No. of Anima ls	Wt/Ag e of Anima l		
01	CUSCP/ IAEC/31 /2016	The repeated dose oral toxicity of the formulations of <i>Lagerstroemia speciosa</i> and Arogyawardhninivati in Wistar strain albino rats as per OECD guidelines 408.	Wistar rats	80	2 months old/25- 30 g	It was suggested to mention brand of Arogyawardhninivati in protocol. It was suggested to write dose for Na CMC treated animals. It was suggested to write the exact time at which animals would be sacrificed. <b>Protocol approved.</b>	
02	CUSCP/I AEC/32/2 016	Evaluation of effects of extracts and formulations of <i>Lagerstroemia speciosa</i> and Arogyawardhninivati in triton WR 1339 induced hyperlipidemic rats	Wistar rats	128	2-3 months / 180- 250 gm	It was suggested to write requirements of animals for extracts and formulations in separate tables. It was suggested to	

						carry out study in batches; hence numbers of animals were increased from 128 to 146. <b>Protocol approved.</b>	
03	CUSCP/I AEC/33/2 016	To perform single dose and multiple dose pharmacokinetic study on extract of <i>Enicostemma littorale</i> Blume	Wistar rats	36	2-3 months / 180-250 gm	It was suggested to try and do blood withdrawal by cannulation instead of retroorbital plexus. It was suggested to reduce number of animals to 6 per group in case cannulation is successful. <b>Protocol approved.</b>	
04	CUSCP/I AEC/34/2 016	To study anti-inflammatory activity of gallic acid loaded liposomes on rats	Wistar rats	24	2-3 months / 180-250 gm	It was suggested to modify dose of standard drug. It was also suggested to perform pharmacokinetic study. It was suggested to administer a painkiller to animal after the study. <b>Protocol approved.</b>	
05	CUSCP/I AEC/35/2 016	Evaluation of antioxidant (in vivo) activity of liposomes containing gallic acid.	Wistar rats	18	2-3 months / 180-250 gm	It was suggested to attach an article with 21 days study duration as a reference. <b>Protocol approved.</b>	



06	CUSCP/I AEC/36/2 016	Comparative pharmacokinetic studies of labetolol and labetololbioenhancer combination in rats.	Wistar rats	24	2-3 months / 180-250 gm	<b>Protocol approved.</b>	
07	CUSCP/I AEC/37/2 016	Evaluation of acute toxicity of synthesized novel Schiff bases of 4 Amino antipyrine	Swiss albino mice	20	8-12 weeks old/ 25-30 gm	It was suggested to write point no 23 in bullet points. <b>Protocol approved.</b>	
08	CUSCP/I AEC/38/2 016	A) The repeated dose 90 days oral toxicity study of polyherbal ghee formulations. B) To evaluate effects of medicated ghee on lipid levels and body weight of rats.	Wistar rats	34	2-3 months / 180-250 gm	It was suggested to perform a pilot study to check ease ghee administration. It was suggested to check feasibility of administering ghee in following forms; a) solid formulation, b) soaking chow diet in ghee. <b>Protocol approved.</b>	
09	CUSCP/I AEC/39/2 016	The repeated dose 90 days oral toxicity study for Vasant Kumarkar Ras as per OECD guidelines 408	Wistar rats	40	2-3 months / 180-250 gm	No specific suggestions. <b>Protocol approved.</b>	

Agenda no.4: Inspection of animal house.

Following members visited animal house.

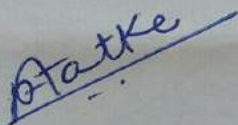
1. Dr. Pradip Chaudhari
2. Dr. Vilas Dighe
3. Mr. Hoshang Bilimoria
4. Dr. Shailesh Khade
5. Mrs. Tanmayee Joshi

The committee members gave following suggestions.

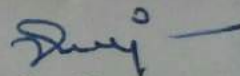
1. It was suggested to replace corn cob as animal bedding instead of paddy husk.
2. It was suggested to have an autoclave of bigger capacity.
3. It was suggested to maintain complete dark environment in animal house by putting black sheets on windows.
4. It was suggested to replace new weighing scale
5. It was suggested to buy new humidity and temperature meters.
6. It was suggested to repair and reinstall carbon dioxide desiccator for euthanasia.

It was decided that the main nominee will re-inspect the animal house facility to observe whether suggested changes have been made.

Dr. Pratima Tatke thanked all members for their support and guidance.



**Dr. Pratima Tatke**  
Chairperson of IAEC



**Dr. Pradip Chaudhari**  
Main nominee of CPCSEA

*Dr. Pratima Tatke*

Professor of Pharm. Chem.,  
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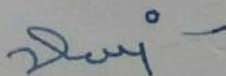
**Dr. P. R. Chaudhari** M.V.Sc. D.M.R.I.T., Ph.D.  
Officer - in - Charge, Small Animal Imaging Facility,  
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## ACTION TAKEN REPORT

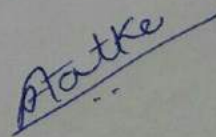
In response to the suggestions made by Inspection Committee during the IAEC held on 29<sup>th</sup> August 2016.

Sr. No	Suggestions	Action Taken
01	It was suggested to replace corn cob as animal bedding instead of paddy husk	Corn cob is bought and it has replaced paddy husk.
02	It was suggested to have an autoclave of bigger capacity.	Bigger capacity autoclave is installed and in use.
03	It was suggested to maintain complete dark environment in animal house by putting black sheets on windows.	All windows are covered with black paper.
04	It was suggested to replace new weighing scale.	New weighing scale is purchased and installed.
05	It was suggested to buy new humidity and temperature meters.	Two new humidity and temperature meters are bought. Hence in total three humidity and temperature (one in each room) meters are in use.
06	Water bottles	20 New water bottles for animals have also been purchased.
07	It was suggested to repair and install carbon dioxide gas chamber for euthanasia.	Carbon dioxide desiccator for euthanasia is repaired and installed.



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Main Nominee IAEC

**Dr. P. R. Chaudhari** M.V.Sc. D.M.R.I.T. Ph.D.  
Officer - in - Charge, Small Animal Imaging Facility,  
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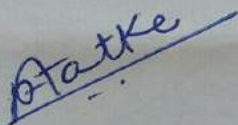
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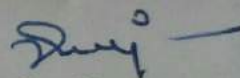
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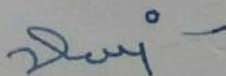
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Santacruz (W), Mumbai-400 049.

# Minutes of the Institutional Animal Ethics Committee Meeting

The IAEC Committee of CU Shah College of Pharmacy was held on 23<sup>rd</sup> August 2017 at 2.00 p.m. in the Principal's room

The following members were present for the meeting:

- |                           |  |
|---------------------------|--|
| 1. Dr. Pradip Chaudhri    | Main Nominee of CPCSEA   |
| 2. Dr. Pratima Tatke      | Chairperson of committee and Prof. of Pharm. Chemistry.            |
| 3. Dr. Vikas Dighe        | Scientist outside institute (CPCSEA nominee)                       |
| 4. Dr. Madhumanjiri Gatne | Scientist from different biological discipline (Institute nominee) |
| 5. Mrs. Tanmayee Joshi    | Member Secretary   |
| 6. Dr. Shailesh Khade     | Veterinarian of the institute                                      |

Dr. Sunil Chaudhry, and Mr. Hoshang Bilimoria were absent with permission.

Dr. Pratima Tatke, Chairman, IAEC, CU Shah College of Pharmacy welcome all the members present in the meeting.

The agenda of the meeting was as follows:

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4. Inspection of animal house facility.

## **Agenda 1: To confirm the minutes of the meeting approved in IAEC held on 29<sup>th</sup> August, 2016.**

Mrs. Tanmayee Joshi read minutes of the meeting held on dated 29<sup>th</sup> August, 2017 and it was unanimously accepted by all the members.

## **Agenda 2. To discuss the progress reports of the protocols approved in IAEC held on, 18<sup>th</sup> January 2013, 02<sup>nd</sup> August 2013, 6<sup>th</sup> March 2014 and 12<sup>th</sup> December 2014, 20<sup>th</sup> January 2016 and 29<sup>th</sup> August, 2016:**

Progress Reports of the protocols approved in the IAEC meetings held 18<sup>th</sup> January 2013, 02<sup>nd</sup> August 2013, 6<sup>th</sup> March 2014 and 12<sup>th</sup> December 2014, 20<sup>th</sup> January 2016 and 29<sup>th</sup> August, 2016 were presented and discussed.

It was suggested for protocols which are not initiated and to be withdrawn, it should be written as "Not initiated, hence withdrawn."

## **Agenda 3.: Following proposals were discussed in meeting and suggestions were given by IAEC members.**

as follows:

Sr. No	Protocol no.	Title of Proposal	Animals Requested			Suggestions	Remarks
			Type of Animal	No. of Animals	Wt/Age of Animal		
01	CUSCP/I AEC/01/ 2017	To study the Antihyperlipidemic activity of Atorvastatin Calcium nanosuspension in male Wistar rats.	Wistar Rats	42	Upto 220 gm	It was suggested to include one more group with 7-day pretreatment of statin.  It was suggested to continue study for 14 days instead of 7 days as statins show effect after 7 days.  <b>Protocol Approved</b>	
02	CUSCP/I AEC/02/2 017	To study Anti-Inflammatory activity of curcumin loaded liposomes in rats.	Wistar Rats	24	Upto 220 gm	It was suggested to recheck the dosage of curcumin loaded liposomes. It was suggested to mention plain saline instead of dextrose saline.  <b>Protocol Approved</b>	
03	CUSCP/I AEC/03/2 017	To study Anti-Diabetic activity of curcumin loaded liposomes in rats.	Wistar Rats	40	Upto 220 gm	It was suggested to recheck the dosage of curcumin loaded liposomes. It was suggested to mention plain saline instead of dextrose saline.	



						<b>Protocol Approved</b>	
04	CUSCP/I AEC/04/2 017	To study Anti-Inflammatory activity of ellagic acid loaded liposomes in rats."	Wistar Rats	24	Upto 220 gm	It was suggested to recheck the dosage of ellagic acid loaded liposomes. It was suggested to give plain saline instead of dextrose saline. <b>Protocol Approved</b>	
05	CUSCP/I AEC/05/2 017	Evaluation of liposomal formulation containing Ellagic acid for <i>in vivo</i> antioxidant activity."	Wistar Rats	18	Upto 220 gm	It was suggested to recheck the dosage of ellagic acid loaded liposomes. <b>Protocol Approved</b>	
06	CUSCP/I AEC/06/2 017	"To Study Anti-Inflammatory Activity Of Microemulgel Containing Essential Oils on Rats."	Wistar Rats	24	Upto 220 gm	No specific suggestions. <b>Protocol Approved</b>	
07	CUSCP/I AEC/07/2 017	To study Anti-Inflammatory activity of formulation containing black pepper oil using Carrageenan induced paw edema in rat model."	Wistar Rats	30	Upto 220 gm	No specific suggestions. <b>Protocol Approved</b>	
08	CUSCP/I AEC/08/2 017	Assessment of anti-pyretic activity of Musta Parpatak Kwath in Wistar Albino rats.	Wistar Rats	30	Upto 220 gm	It was suggested to recheck dosage of Kwath in rats. It was suggested to keep 8 animals per group. <b>Protocol Approved</b>	
09	CUSCP/I AEC/09/2 017	Assessment of anti-pyretic activity of Pro Feverfew extract in Wistar Albino rats.	Wistar Rats	18	Upto 220 gm	It was suggested to recheck dosage of feverfew extract in rats. <b>Protocol Approved</b>	



10	CUSCP/I AEC/10/2 017	To assess anti-diarrheal activity of Mustakadi Pramathya in Wistar rats.	Wistar Rats	30	Upto 220 gm	It was suggested to recheck dosage of Mustakadi Pramathya in rats. It was suggested to fast rats overnight instead of 18 hrs. <b>Protocol Approved</b>
11	CUSCP/I AEC/11/2 017	To evaluate extracts of <i>Glycyrrhiza glabra</i> in presence of PPAR gamma blocker BADGE for with tibial and sural transaction model.	Wistar Rats	108	Upto 220 gm	It was suggested not to repeat groups with <i>Glycyrrhiza glabra</i> with TST as it is already performed. <b>Protocol Approved</b>

Agenda no.4: Inspection of animal house.

Following members visited animal house.

1. Dr. Pradip Chaudhari
2. Dr. Vikas Dighe
3. Dr. Madhumanjiri Gatne
4. Dr. Shailesh Khade
5. Mrs. Tanmayee Joshi
6. Dr. Pratima Tatke

The committee members gave following suggestions.

1. It was suggested to record temperature and humidity more accurately.
2. It was suggested to maintain file of form D separately, in addition to supply register which is already being maintained.
3. It was suggested to put black papers on windows of experimental room as well.

All the Members were satisfied with cleanliness, infrastructure and record keeping of animal house.

The meeting was conducted after the gap of one year as there were no new protocols and two labs adjacent to animal house were being renovated.

The members suggested to issue a certificate of approval of protocol to each principal investigator, the format for which will be provided by Dr. Vikas Dighe.

Dr. Pratima Tatke thanked all members for their support and guidance.



Dr. Pratima Tatke  
Chairperson of IAEC



Dr. Pradip Chaudhari  
Main nominee of CPCSEA

*Dr. Pratima Tatke*  
**Principal & Chairperson of IAEC,  
C. U. Shah College of Pharmacy,  
S.N.D.T. Women's University,  
Santacruz (W), Mumbai - 400 049.**

The meeting of the IAEC Committee was held on 23<sup>th</sup> August, 2017 at 2.00 p.m. in the Principal's room at C. U. Shah College of Pharmacy.

The following members were present for the meeting:

Sr. No	Name of Member	Signature
01	Dr. Pradip Chaudhari, Main Nominee of CPCSEA	<i>Dr. Pradip Chaudhari</i> 23/08/2017
02	Dr. Pratima Tatke, Chairperson & Professor of Pharmaceutical Chemistry	<i>P. Tatke</i> 23/8/2017
03	Dr. Vikas Dighe, Scientist from outside the institute (CPCSEA Nominee)	<i>V. Dighe</i> 23/8/2017
04	Dr. Sunil Chaudhry, Scientist from outside the institute (Institute Nominee)	Absent
05	Dr. Madhumanjiri Gatne, Scientist from different biological discipline (Institute Nominee)	<i>M. Gatne</i>
06	Dr. Shailesh Khade, Veterinarian of the institute	<i>S. K. Khade</i> 23/08/2017
07	Mr. Hoshang Dinshaw Bilimoria, Socially aware person from outside institute	Absent
08	Mrs. Tanmayee Joshi, Member Secretary, Assistant Professor in Pharmacology	<i>T. Joshi</i> 23/8/17

# Minutes of the 12<sup>th</sup> Institutional Animal Ethics Committee Meeting of

## C. U. Shah College of Pharmacy

The IAEC Committee of C. U. Shah College of Pharmacy was held on 31<sup>st</sup> October 2018 at 3.00 p.m. in the Presentation room, C. U. Shah College of Pharmacy, SNDT Women's University, Mumbai.

The following members were present for the meeting:

- |                           |  |
|---------------------------|--|
| 1. Dr. Pradip Chaudhari   | Main Nominee of CPCSEA   |
| 2. Dr. Pratima Tatke      | Chairperson of committee, Principal and Prof. of Pharm. Chemistry.   |
| 3. Dr. Vikas Dighe        | Scientist outside institute (CPCSEA nominee)                         |
| 4. Dr. Madhumanjiri Gatne | Scientist from different biological discipline (Institute nominee)   |
| 5. Mr. Hoshang Bilimoria  | Socially aware person from nonscientific background (CPCSEA nominee) |
| 6. Dr. Sucheta Bhide      | Veterinarian   |
| 7. Mrs. Tanmayee Joshi    | Member Secretary and Asst. Professor of Pharmacology                 |

Dr. Sunil Chaudhry (Institute nominee) was absent with permission.

Dr. Pratima Tatke, Chairman, IAEC, C. U. Shah College of Pharmacy welcomed all the members present in the meeting.

The following agenda of the meeting was discussed:

1. Inspection of animal house facility
2. To confirm the minutes of the meeting approved in IAEC held on 28<sup>th</sup> March, 2018.
3. To discuss the progress reports of the protocols approved in IAEC held on, 20<sup>th</sup> January 2016, 29<sup>th</sup> August 2016 and 23<sup>rd</sup> August 2017.
4. To discuss new protocols.
5. Any other matter with permission of chair.

### Agenda 1: Inspection of animal house facility

Dr. Pradip Chaudhari, Mr. Hoshang Bilimoria, Dr. Sucheta Bhide, Dr. Madhumanjiri Gatane, Dr. Pratima Tatke and Mrs. Tanmayee Joshi were present during the inspection. Following points were suggested during the inspection.

1. Dr. Pradip Chaudhary told Mr. Sudhir Patil, the Animal Housekeeper that the bedding material (corn cob) should be changed more frequently, on alternate days or thrice a week.



2. The AC in the experimental room should be repaired as it is making excessive noise. It was decided that the institute will look into noise issue of AC, get it repaired by mid-December and IAEC will be informed accordingly.

**Agenda 2.** To confirm the minutes of the meeting approved in IAEC held on 23<sup>rd</sup> August, 2017

The minutes were sent to the members by e mail. The same were approved by the members.

**Agenda 3.** Progress Reports of the protocols approved in the IAEC meetings held on 20<sup>th</sup> January 2016, 29<sup>th</sup> August 2016, 23<sup>rd</sup> August 2017 and 28<sup>th</sup> March 2018 were presented and discussed.

The Progress reports approved in the meeting of 20<sup>th</sup> January 2016 were mainly discussed. Mrs. Tanmayee Joshi requested to committee to give extension to those protocols as all the protocols are of PhD students who are also staff members. The members agreed to give the extension.

**Agenda 4.** To discuss new protocols

**Following proposals were discussed in meeting and suggestions were given by IAEC members, as follows:**

Protocol no	Title of Protocol	No of animals required	Comments	Remarks
CUSCP/IAEC /09/2018	To investigate the <i>ex-vivo</i> permeability of Spironolactone and Furosemide from melt granulated dosage forms	6 Wistar rats, Wt: Upto 250 g	It was decided that animals from wound healing studies would be utilized for this study.	<b>Protocol approved.</b>
CUSCP/IAEC /10/2018	Design and Evaluation of Novel Topical Drug Delivery System: <i>In vivo</i> evaluation of formulated microparticles based gel of Norfloxacin for skin irritancy and wound closure in rats	30 Wistar rats, Wt: Upto 250 g	No specific suggestion.	<b>Protocol approved.</b>
CUSCP/IAEC /11/2018	To evaluate the solubility and permeability of Ezetimibe nanosponge formulation in Wistar Rats.	04 Wistar rats, Wt: Upto 250 g	It was decided that animals from wound healing studies would be utilized for this study.	<b>Protocol approved.</b>
CUSCP/IAEC	To perform antidiabetic	56	It was suggested	<b>Protocol</b>

/12/2018	activity of self-nanoemulsifying drug delivery system of Glimepiride	Wistar rats, Wt: Upto 250 g	to keep 10 animals per group instead of 8 for diabetic groups.	approved.
CUSCP/IAEC /13/2018	Evaluation of Anti-psoriatic activity of novel topical formulation for soy extract".	30 Balb/c mice 20-25g	It was suggested to check for feasibility of methods for inducing psoriasis and perform that method itself.	Protocol approved.
CUSCP/IAEC /14/2018	Evaluation of Anti-psoriatic activity of novel topical formulation for soy extract (UV method)	30 Wistar Rats Upto 170 g		Protocol approved.
CUSCP/IAEC /15/2018	Effect of gel containing cashew leaves and testa bioactive extracts on proinflammatory cytokine (IL-1 $\beta$ ) to improve wound healing process.	50 Wistar rats, Wt: Upto 250 g	It was suggested to use animals from antiinflammatory study for normal wound healing study. It was suggested to keep take 10 animals per group for diabetic group instead of 8.	Protocol approved.
CUSCP/IAEC /16/2018	To evaluate anti-inflammatory activity of the hydroalcoholic extracts of <i>Anacardium occidentale</i> (cashew) leaves and testa	30 Wistar rats, Wt: Upto 250 g	No specific suggestion.	Protocol approved.
CUSCP/IAEC /17/2018	To evaluate Hepatoprotective activity of <i>Allium cepa</i> , <i>Andrographis paniulata</i> and <i>Phyllanthus niruri</i> extracts	162 Wistar rats, Wt: Upto 250 g	No specific suggestion.	Protocol approved.
CUSCP/IAEC /18/2018	Comparative study of physico-chemical characteristics and pharmacological activity of selected iron drug preparations in wistar rats.	48 Wistar rats, Wt: Upto 220 g	No specific suggestion.	Protocol approved.
CUSCP/IAEC /19/2018	To study the antipsychotic activity of Iloperidone	30 Wistar rats,	It was suggested to use rats	Protocol approved.



nanosuspension in mice via nasal route.	Wt: Upto 220 g	instead of mice as it would be difficult to instill drops in mice nose	
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The common suggestion was to change "Type of research" from Educational to Basic Research on all the protocols.

#### Agenda 5: Other matters

Dr. Pratima Tatke informed the committee members that Dr. Sucheta Bhide has resigned from her post on 31<sup>st</sup> August 2018, although her appointment was till October 2018. She was relieved on the condition that she would be attending for the forthcoming meeting as her name is included in the IAEC and which is approved by CPCSEA as well. It was decided that the institute will appoint new veterinarian as soon possible and till the time Dr. Sucheta will be called on need basis. Dr. Tatke assured all the members that she will speed up the procedure of appointment of new veterinarian.

Dr. Pratima Tatke thanked all members for their support and guidance.

**Dr. Pratima Tatke**  
Chairperson of IAEC

**Dr. Pradip Chaudhari**  
Main nominee of CPCSEA

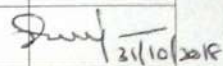
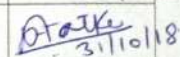
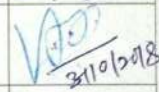
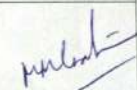

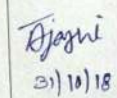
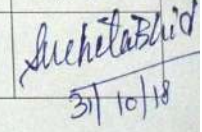
*Dr. Pratima Tatke*  
**Principal**

C. U. Shah College of Pharmacy,  
S.N.D.T. Women's University,  
Santacruz (W), Mumbai - 400 049.



The meeting of the IAEC Committee was held on 31<sup>st</sup> October, 2018 at 3.00 p.m. in the Presentation room at C. U. Shah College of Pharmacy.

The following members were present for the meeting:

Sr. No	Name of Member	Signature
01	Dr. Pradip Chaudhari, Main Nominee of CPCSEA	 31/10/2018
02	Dr. Pratima Tatke, Chairperson & Professor of Pharmaceutical Chemistry	 31/10/18
03	Dr. Vikas Dighe, Scientist from outside the institute (CPCSEA Nominee)	 31/10/2018
04	Dr. Sunil Chaudhry, Scientist from outside the institute (Institute Nominee)	Absent
05	Dr. Madhumanjiri Gatne, Scientist from different biological discipline (Institute Nominee)	
06	Mr. Hoshang Dinshaw Bilimoria, Socially aware person from outside institute	 31/10/18
07	Mrs. Tanmayee Joshi, Member Secretary, Assistant Professor in Pharmacology	 31/10/18
08	Dr. Sucheta Bhide, Veterinarian of the Institute	 31/10/18

### **Minutes of 13<sup>th</sup> the Institutional Animal Ethics Committee Meeting**

The IAEC Meeting of C. U. Shah College of Pharmacy was held on 6<sup>th</sup> March 2019 at 3.30 p.m. in the Presentation room at C. U. Shah College of Pharmacy, SNDT Women's University, Mumbai.

The following members were present for the meeting:

- |                           |  |
|---------------------------|--|
| 1. Dr. Pradip Chaudhari   | Main Nominee of CPCSEA   |
| 2. Dr. Pratima Tatke      | Chairperson of committee, Principal and Prof. of Pharm. Chemistry.   |
| 3. Dr. Vikas Dighe        | Scientist outside institute (CPCSEA nominee)                         |
| 4. Dr. Uddhav Chaudhari   | Link Nominee   |
| 5. Dr. Madhumanjiri Gatne | Scientist from different biological discipline (Institute nominee)   |
| 6. Dr. Sunil Chaudhry     | Institute nominee  |
| 7. Mr. Hoshang Bilimoria  | Socially aware person from nonscientific background (CPCSEA nominee) |
| 8. Mrs. Tanmayee Joshi    | Member Secretary and Asst. Professor of Pharmacology                 |

Dr. Pratima Tatke, Chairman, IAEC, C. U. Shah College of Pharmacy welcomed all the members present in the last meeting of the current committee. Dr. Tatke introduced members to Dr. Kunal Kambale, a newly appointed veterinarian for the lab animal facility.

The following agenda of the meeting was discussed:

1. To confirm the minutes of meeting approved in 31<sup>st</sup> October 2018.
2. To discuss progress reports of the protocols approved in meetings of 20<sup>th</sup> January 2016, 29<sup>th</sup> August 2016, 23<sup>rd</sup> August 2017, 28<sup>th</sup> March 2018 and 31<sup>st</sup> October 2018
3. To discuss new protocols.
4. Inspection of animal house facility
5. Any other matter with permission of the chair.

**Agenda 1:** To confirm the minutes of meeting approved in 31<sup>st</sup> October 2018.

The minutes of the meeting of 31<sup>st</sup> October 2018, were circulated to members earlier through email. The hard copies of the minutes were circulated to members in the meeting and members approved the same.



**Agenda 2.** To discuss the progress reports of the protocols approved in meetings of 20<sup>th</sup> January 2016, 29<sup>th</sup> August 2016, 23<sup>rd</sup> August 2017, 28<sup>th</sup> March 2018 and 31<sup>st</sup> October 2018

Meeting of 20<sup>th</sup> January 2016: The committee asked to resubmit the protocols, which were approved on 20<sup>th</sup> January 2016, in the forthcoming meeting of IAEC.

Meeting of 29<sup>th</sup> August 2016: There are only two protocols with remaining studies from this meeting. Committee has allowed to proceed with the repeated toxicity protocol and have asked to resubmit the other protocol in the next meeting.

The committee allowed to proceed with protocols which were approved after 23<sup>rd</sup> August 2017.

**Agenda 3.** To discuss new protocols.

**Following proposals were discussed in meeting and suggestions were given by IAEC members, as follows:**

Protocol no	Title of Protocol	No of animals required	Comments	Remarks
CUSCP/IAEC /01/2019	Acute and repeated dose toxicity of triazine derivatives as antitubercular agents.	<b>54+ 36=90</b> Swiss albino mice, 25-30 gm	It was suggested to write “triazines” as “1’3’5’ triazenes.” It was suggested to conduct acute toxicity on group of 3 animals first to check the toxicity and then reduce the dose if	<b>Protocol approved</b>  <b>With modifications</b>

			<p>toxicity was found.</p> <p>Modify the form B as suggested during the meeting.</p>	
CUSCP/IAEC /02/2019	To study Anti-Inflammatory activity of berberine loaded liposomes in rats.	<p><b>24</b></p> <p>Wistar rats, Wt: Upto 220 gms</p>	<p>Suggested to verify the use of Berberine as anti-inflammatory. Literature suggests that the extract of Berberis aristata was as anti-inflammatory.</p> <p>It was suggested to put asterisk on the dose and mention that the dose will be modified.</p>	<b>Protocol approved</b>
CUSCP/IAEC /03/2019	To study Anti-oxidant activity of reduced glutathione loaded liposomes in rats.	<p><b>18</b></p> <p>Wistar rats, Wt: Upto 220 gms</p>	<p>It was suggested to rewrite the protocol with inclusion of method of inducing</p>	<p><b>Protocol approved</b></p> <p><b>With modification</b></p>

			oxidative stress in animals.	
CUSCP/IAEC /04/2019	“To study the anti-inflammatory activity of Quercetin loaded liposomes in rats”	<b>24</b>  Wistar rats, Wt: Upto 220 gms	It was suggested that control group for this protocol and CUSCP/IAEC/02/2019 can be kept common if possible.  It was suggested to put asterisk on the dose and mention that the dose will be modified.	<b>Protocol approved</b>
CUSCP/IAEC /05/2019	To study the effect of Bocomo Duo tablet (Combination of Cissus quadrangularis + Calcium carbonate + Vitamin K2-7) in osteoporosis and to evaluate the effect of Sallaki (Boswellia serrata) & Bocomo (Cissus quadrangularis) as comparator in female Wistar rats.	<b>40</b>  Wistar rats, Wt: Upto 220 gms	It was suggested to increase duration of study from 3 months to four months (120 days), as osteoporosis is long standing condition and desired effect will not be achieved in three months.	<b>Protocol approved</b>



			It was suggested to modify title as “To study protective effect..”	
CUSCP/IAEC /06/2019	To carry out pharmacokinetic study of modified formulation of celecoxib.	<b>30</b> Wistar rats, Wt: Upto 220 gms	It was suggested to increase the number of animals from 8 per group to 10 per group.	<b>Protocol approved</b>

#### **Agenda 4:** Inspection of animal house facility

Dr. Pradip Chaudhari, Mr. Hoshang Bilimoaria, Dr. Vikas Dighe, Dr. Uddhav Chaudhari, Dr. Pratima Tatke, Dr. Kunal Kambale and Mrs. Tanmayee Joshi were present during the inspection. Following points were suggested during the inspection.

1. The animal house facility should purchase an autoclave for sterilization of cages on urgent basis.
2. To have an autotimer system for AC, exhaust and lights. Mrs. Tanmayee Joshi informed the committee members that Dr. Kunal has forwarded her the contact for the same and she is going to contact the required person.
3. To replace to window AC in the “Experimental Room” with split AC as the window AC is making excessive noise. Dr. Tatke informed the committee members that purchase of the split AC is in process at university level. AC will be replaced before March end.
4. It was observed that the humidity meter is also giving wrong readings as per the log book record it was 32% which is not possible. It is suggested that all measuring equipment used in the animal house be with a calibration test certificate from a government lab and validated every year. Mrs. Tanmayee Joshi requested the members to share the details of temperature and humidity meters which they are using and which are reliable and they agreed for the same.

5. It is also observed that the comments/remark given by consulting Veterinarian has not been addressed, however facility assured that it will be taken care in future.
6. Committee members were satisfied with overall cleanliness of the animal house.

**Agenda 4:** Any other matter with permission of the chair.

The committee members informed about new regulations of CPCSEA and asked the institute to comply with them.

Dr. Tatke informed that as per the new regulations, institute has appointed the full time veterinarian and the link nominee was invited for the meeting.

Committee members suggested that

1. Institute should install CCTV cameras in the animal house
2. Institute should hold meeting once in three months if they are dealing with more than 40 protocols annually.
3. Animal house attendants should do the routine health checkup and should submit fitness certificate. The institute should maintain health records of the animals and the personnel's who are involved in animal house facility management.

During the inspection of 31<sup>st</sup> October 2018, Mr. Hoshang felt that the AC in the "Experimental animals" room was making excessive noise. Dr. Tatke informed the committee that the same AC was repaired. The institute has also purchased a decibel meter and the noise recording was done every day. The noise level is below the permissible limit of 85db.

Dr. Tatke also informed that Mr. Sudhir Patil, the animal house keeper was absent due to his health issues, hence to take care of animal house activities, the attendant from pharmacology lab (Mr. Ganesh Monde) has been shifted to animal house.

Mrs. Tanmayee Joshi also expressed concerns regarding availability of laboratory animals and informed that from January 2019, animals were not available with two commonly used sources i.e. Bharat Serum and Bombay Veterinary college. Hence this non availability is also delaying the proposed animal studies of previously sanctioned protocols.

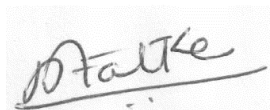
The following projects sanctioned in previous meetings need to get fresh approval/extension from the New committee as these projects are more than 3 year old and not initiated or partly completed

Sr No	Project No	Remark
1	CUSCP/IAEC/14/2016	Need to get fresh approval/extension from the New committee
2	CUSCP/IAEC/17/2016	Need to get fresh approval/extension from the New committee
3	CUSCP/IAEC/18/2016	Need to get fresh approval/extension from the New committee
4	CUSCP/IAEC/19/2016	Need to get fresh approval/extension from the New committee
2	CUSCP/IAEC/25/2016	need to get fresh approval/extension from the New committee
3	CUSCP/IAEC/32/2016	need to get fresh approval/extension from the New committee
5	CUSCP/IAEC/05/2017	need to get fresh approval/extension from the New committee
6	CUSCP/IAEC/10/2017	need to get fresh approval/extension from the New committee
7	CUSCP/IAEC/01/2018	need to get fresh approval/extension from the New committee
8	CUSCP/IAEC/03/2018	need to get fresh approval/extension from the New committee



9	CUSCP/IAEC/09/2018	need to get fresh approval/extension from the New committee
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Dr. Pratima Tatke thanked all members for their support and guidance.



**Dr. Pratima Tatke**  
Chairperson of IAEC

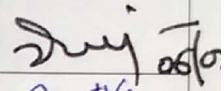
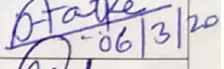
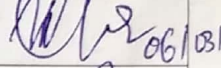
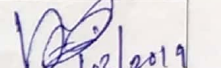
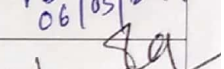
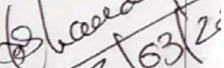
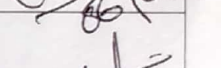
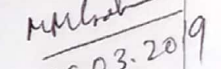


**Dr. Pradip Chaudhari**  
Main nominee of CPCSEA

Date: March 6, 2019

The meeting of the IAEC Committee was held on 6<sup>th</sup> March, 2019 at 3.30 p.m. in the Presentation room at C. U. Shah College of Pharmacy.

The following members were present for the meeting:

Sr. No	Name of Member	Signature
01	Dr. Pradip Chaudhari, Main Nominee of CPCSEA	
02	Dr. Pratima Tatke, Chairperson & Professor of Pharmaceutical Chemistry	 06/03/20
03	Dr. Uddhav Chaudhari, Link Nominee	 06/03/20
04	Dr. Vikas Dighe, Scientist from outside the institute (CPCSEA Nominee)	 06/03/2019
05	Dr. Sunil Chaudhry, Scientist from outside the institute (Institute Nominee)	 06/03/20
06	Dr. Madhumanjiri Gatne, Scientist from different biological discipline (Institute Nominee)	 06.03.2019
07	Mr. Hoshang Dinshaw Bilimoria, Socially aware person from outside institute	 06/03/19
08	Mrs. Tanmayee Joshi, Member Secretary, Assistant Professor in Pharmacology	 6/3/19

## **Minutes of 14<sup>th</sup> the Institutional Animal Ethics Committee Meeting**

The IAEC Meeting of C. U. Shah College of Pharmacy (Reg. No. **39/PO/Re/S/99/CPCSEA**) was held on 22<sup>nd</sup> September 2020 at 4.30 p.m. through Google Meet as per the CPCSEA circular F. No. 25/2/2020-CPCSEA-DADF dated 13<sup>th</sup> April 2020.

The following members were present for the meeting

- |                         |  |
|-------------------------|--|
| 1. Dr. Pratima Tatke    | Chairperson, Biological Scientists.                        |
| 2. Mrs. Tanmayee Joshi  | Member Secretary, Scientists In charge of animal facility. |
| 3. Dr. Sunil Chaudhry   | Scientist from different biological discipline.            |
| 4. Dr. Riddhi Pednekar  | Scientist from different biological discipline             |
| 5. Dr. Kunal Kamble     | Veterinarian   |
| 6. Dr. Rahul Thorat     | Main Nominee,(CPCSEA)                                      |
| 7. Dr. Sangram Chavan   | Link Nominee (CPCSEA)                                      |
| 8. Dr. G. L. Gupta      | Scientist from outside the institute (CPCSEA)              |
| 9. Mr. Dharmesh Solanki | Socially aware Nominee (CPCSEA)                            |

Dr. Pratima Tatke, Chairperson, IAEC, C. U. Shah College of Pharmacy welcomed all the members to the first meeting with the new reconstituted committee.

Dr. Tatke, presented a brief review of last IAEC meeting and animal facility inspections and requested all the new committee members for their guidance and cooperation. She also updated to the committee about installation of CCTV, auto timers for maintaining light and dark cycles inside animal rooms and appointment of veterinarian as per the CPCSEA norms.

The following agenda of the meeting was discussed:

1. Reading and confirmation of minutes of the last IAEC meeting dated
2. To discuss the 9 animal study proposals
3. To discuss the progress reports of the animal study proposals approved in IAEC held on, August 2016, October 2018 and March 2019.
4. Any other matter with permission of the chair.

**Agenda 1:** Reading and confirmation of minutes of the last IAEC meeting dated



Dr. Tanmayee Joshi read the minutes of the last IAEC meeting held on dated 6<sup>th</sup> March 2019. It was unanimously confirmed

**Agenda 2:** To discuss the 9 animal study proposals

Dr. Tanmayee Joshi informed to the members that all the protocols submitted before the committee, were already approved in previous IAEC meetings. The few part of the animal study is to be completed, hence only the extension of period was requested. Committee members clarified that, animal study proposals were approved in the year 2016 and project duration was already completed. Hence all the animal study proposals can be considered as fresh protocols. Committee recommended filling up new Form B for all the animal study proposals. It was agreed by the institute./ Committee

**Following proposals were discussed in meeting and suggestions were given by IAEC members, as follows:**

Protocol no	Title of Protocol	No of animals required	Comments	Remarks
PFA/CUSCP IAEC/01/ 2020	A) To evaluate extracts of <i>Withania somnifera</i> and <i>Glycyrriza glabra</i> for activity against neuropathic pain by tibial and sural transection injury. B) To evaluate antinociceptive activity of glycyrrhetinic acid.	42, Wistar rats Wt: Upto 250 gms	It was suggested to follow time point sacrifice. It was suggested to monitor and mention humane end points for control group animals. It was also suggested to follow Grimace pain scale.	<b>Protocol approved</b>
PFA/CUSCP IAEC/02/ 2020	A) To evaluate extracts of <i>Withania somnifera</i> and <i>Glycyrriza glabra</i> for <b>activity</b> against neuropathic pain by chronic constriction injury. B) To evaluate antinociceptive activity of glycyrrhetinic acid.	42, Wistar rats Wt: Upto 250 gms	Same as above	<b>Protocol approved</b>

PFA/CUSCP IAEC/03/ 2020	A) To evaluate extracts of and <i>Glycyrriza glabra</i> for activity against diabetic neuropathy. B) To evaluate Glycyrrhetic acid activity for diabetic neuropathy.	<b>46,</b> Wistar rats Wt: Upto 250 gms	No specific suggestions	<b>Protocol approved</b>
PFA/CUSCP/I AEC/04/2020	To evaluate extracts of <i>Bacopa monerri</i> activity against diabetic neuropathy	<b>08,</b> Wistar rats Wt: Upto 250 gms	No specific suggestions	<b>Protocol approved</b>
PFA/CUSCP/I AEC/05/2020	To evaluate extracts of of <i>Bacopa monerri</i> activity against neuropathic pain	<b>12,</b> Wistar rats Wt: Upto 250 gms	<b>Same as protocol PFA/CUSCP IAEC/01/2020</b>	<b>Protocol approved</b>
PFA/CUSCP/I AEC/06/2020	Comparative study of physico-chemical characteristics and pharmacological activity of selected iron drug preparations in Wistar rats.	<b>48</b> Wistar rats, Wt: Upto 250 gms	It was suggested to obtain manufacturer's or investigator's brochure used for clinical studies.	<b>Protocol approved</b>
PFA/CUSCP/I AEC/07/2020	To evaluate Hepatoprotective activity of <i>Allium cepa</i> , <i>Andrographis paniulata</i> and <i>Phyllanthus niruri</i> extracts	<b>162,</b> Wistar rats, Wt: Upto 250 gms	No Specific Suggestions.	<b>Protocol approved</b>
PFA/CUSCP/I AEC/08/2020	Evaluation of the effect of the formulations prepared from bioactive extracts of <i>Lagerstroemia speciosa</i> in a) Prediabetic rat model fed on a high cholesterol and fructose diet b) STZ induced diabetes in rat model.	<b>76,</b> Wistar rats, Wt: Upto 250 gms	No Specific Suggestions.	<b>Protocol approved</b>
PFA/CUSCP/I AEC/09/2020	Evaluation of the effect of the formulation prepared from bioactive extracts of <i>Lagerstroemia speciosa</i> in Triton WR- 1339-induced hyperlipidaemic rats	<b>38,</b> Wistar rats, Wt: Upto 250 gms	No Specific Suggestions.	<b>Protocol approved</b>

**Agenda 3:** To discuss the progress reports of the protocols approved in IAEC held on. August 2016. October 2018 and March 2019.

Mrs. Tanmayee Joshi presented progress reports of the animal studies carried out earlier. Committee members suggested that, instead of presenting detail progress reports, institute can briefly give details of progress in excel file, mentioning details like animal sanctions, animals utilised, requirement for next year etc.

**Agenda 4:** Any other matter with permission of chair.

Dr. Rahul Thorat asked about maintainence of records like Form C and Form D for the previous experiments.

Dr. Rahul Thorat informed that as per circular by CPCSEA, institute should maintain a CCTV certificate on fortnight basis and certify, there are no untoward activities with animals.

As per the letter received from CPCSEA, the institute had contacted Dr. Rahul Thorat, regarding inspection of the animal house facility. Dr. Rahul Thorat informed that committee will inspect the facility after lockdown, as currently there are no animals in animal house facility.

Dr. Pratima Tatke thanked all members for their support and guidance.

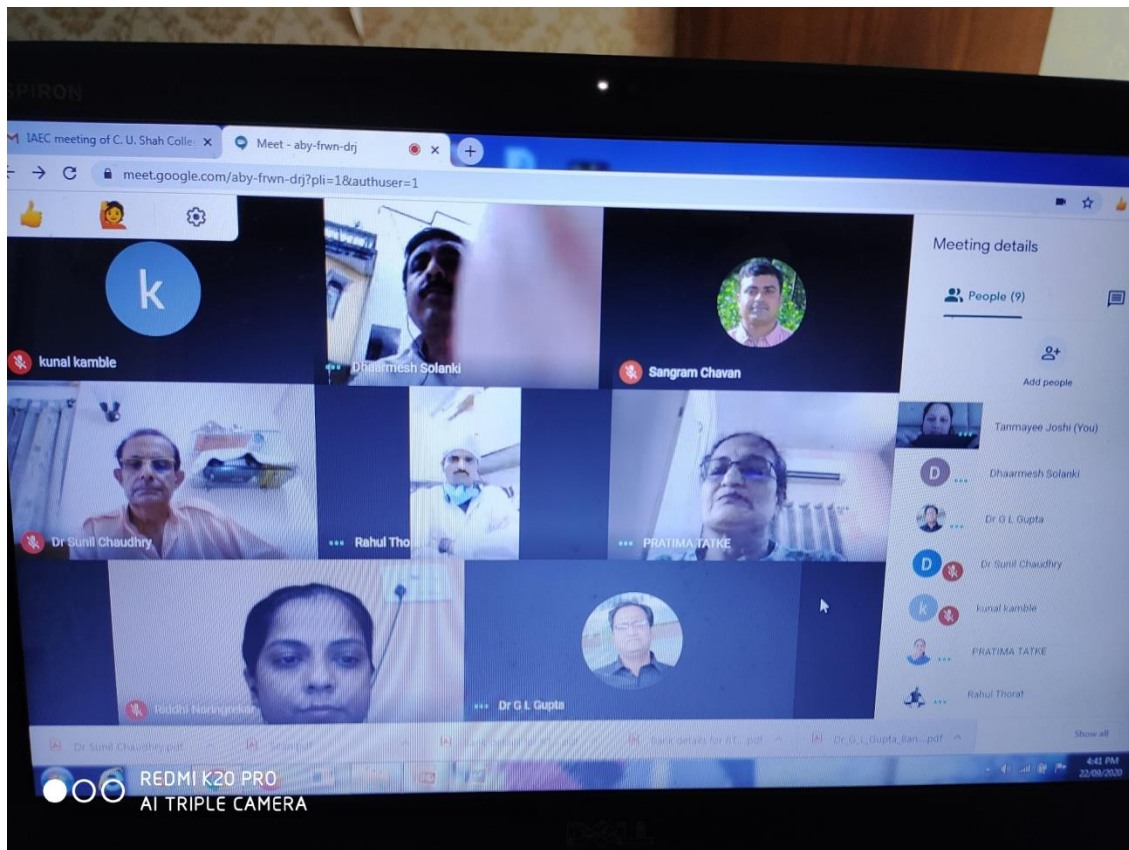
**Dr. Pratima Tatke**  
Chairperson of IAEC

**Dr. Rahul Thorat**  
Main nominee, CPCSEA

**Dr. Pratima Tatke**  
Principal & Chairperson of IAEC,  
C. U. Shah College of Pharmacy,  
S.N.D.T. Women's University,  
Santacruz (W), Mumbai - 400 049.



## Google Meet Photo as a Proof of Attendance



## **Minutes of 15<sup>th</sup> the Institutional Animal Ethics Committee Meeting**

The IAEC Meeting of C. U. Shah College of Pharmacy (Reg. No. **39/PO/Re/S/99/CPCSEA**) was held on Wednesday, 17<sup>th</sup> March 2021 at 12.00 p.m. through Google Meet as per the CPCSEA circular F. No. 25/2/2020-CPCSEA-DADF dated 13<sup>th</sup> April 2020.

The following members were present for the meeting

1. Dr. Pratima Tatke                      Chairperson, Biological Scientists, HOD
2. Mrs. Tanmayee Joshi Member Secretary, Scientists In charge of animal facility.
3. Dr. Rahul Thorat                      Main Nominee,(CPCSEA)
4. Dr. Sunil Chaudhry                      Scientist from different biological discipline.
5. Dr. Riddhi Pednekar                      Scientist from different biological discipline
6. Dr. Kunal Kamble                      Veterinarian
7. Dr. Rahul Thorat                      Main Nominee,(CPCSEA)
8. Dr. G. L. Gupta                      Scientist from outside the institute (CPCSEA)
9. Mr. Dharmesh Solanki                      Socially aware Nominee (CPCSEA)

Dr. Pratima Tatke, Chairperson, IAEC, C. U. Shah College of Pharmacy welcomed all the members to the meeting.

The following agenda of the meeting was discussed:

1. Physical inspection of Animal House Facility by Main nominee
2. Reading and confirming minutes of IAEC meeting held in September 2020
3. Changes done in protocol CUSCP/IAEC/06/2020
4. Discussion of progress reports of the protocols approved in IAEC on September 2020.
5. Any other matter with permission of chair.

### **Agenda 1: Physical inspection of Animal House Facility by Main nominee**

The main nominee, Dr. Rahul Thorat conducted physical inspection of animal house facility at C. U. Shah College of Pharmacy. He was satisfied with overall cleanliness, record keeping of the animal house facility. He gave following suggestions:

1. The room where all records are kept, should be labelled.
2. A sponge tray can be kept at the entrance of the animal house facility
3. Along with timer for light and dark cycle, timer can also be inserted into exhaust fans.
4. Instead of sticking cards on the cages, cards/labels can be attached to the hooks on the animal cages.
5. Fecal examination of the animals can be carried out by in-house veterinarian instead of outsourcing it.

**Agenda 2:** Reading and confirming minutes of IAEC meeting held in September 2020

Dr. Tatke, the chairperson of IAEC asked Mrs. Tanmayee Joshi, Member secretary to read the minutes of the previous meeting held in September 2020. Mrs. Tanmayee Joshi read the minutes and all members approved the same.

**Agenda 3:** Changes done in protocol CUSCP/IAEC/06/2020

Protocol CUSCP/IAEC/06/2020 entitled “Comparative study of physico-chemical characteristics and pharmacological activity of selected iron drug preparations in Wistar rats.” is regarding studying hematinic activity of certain iron preparations; which was approved in the IAEC on September 2020. As per the approved in the protocol, the anemia induction was to be carried out by giving an iron chelating agent parenterally. However, as the particular injectable isn't available in the market, the chairperson, Dr. Pratima Tatke had requested the committee to approve the amendment in the protocol through an email dated December 29 2020. As the concerned student had a deadline for submitting a thesis, the chairperson, Dr. Pratima Tatke had requested to allow the amendment. The request was kindly approved by all the committee members. In the meeting, Mrs. Tanmayee Joshi, gave the committee members updates regarding the same study.

**Agenda 4:** Discussion of progress reports of the protocols approved in IAEC on September 2020.

Mrs. Tanmayee Joshi presented the progress reports of the previously approved protocols. Progress reports of following protocols were presented.

1. CUSCP/IAEC/01/2020
2. CUSCP/IAEC/05/2020
3. CUSCP/IAEC/06/2020
4. CUSCP/IAEC/07/2020
5. CUSCP/IAEC/08/2020

Remaining protocols i.e. CUSCP/IAEC/02/2020, CUSCP/IAEC/03/2020, CUSCP/IAEC/04/2020 and CUSCP/IAEC/09/2020 are not yet started.

Dr. Gupta suggested that all the groups mentioned in the study protocols should be run parallelly and study should be conducted in without any time gaps in order to maintain the study conditions. The institute agreed to follow the same.

**Agenda 5:** Any other matter with permission of chair.

Mrs. Tanmayee Joshi expressed her concern about delays in the animal study due to unavailability of animals.



Dr. Sunil Chaudhry suggested to circulate an attendance sheet for signing, but Dr. Thorat and other members suggested that as per the letter F. No. 25/2/2020-CPCSEA-DADF, physical circulation of minutes is not necessary and the screenshot of the meeting can be kept as a proof of attendance due to pandemic situation.

Dr. Tatke thanked all the members for their continuous support and guidance and the meeting ended.

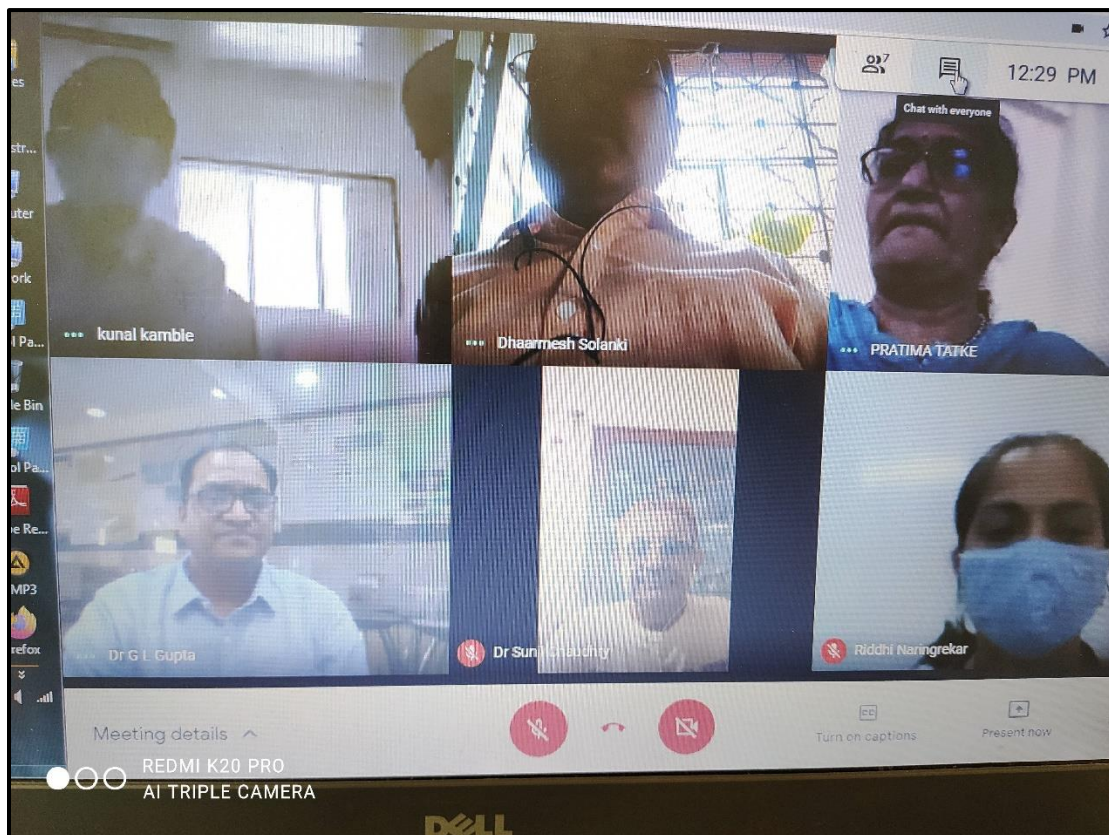
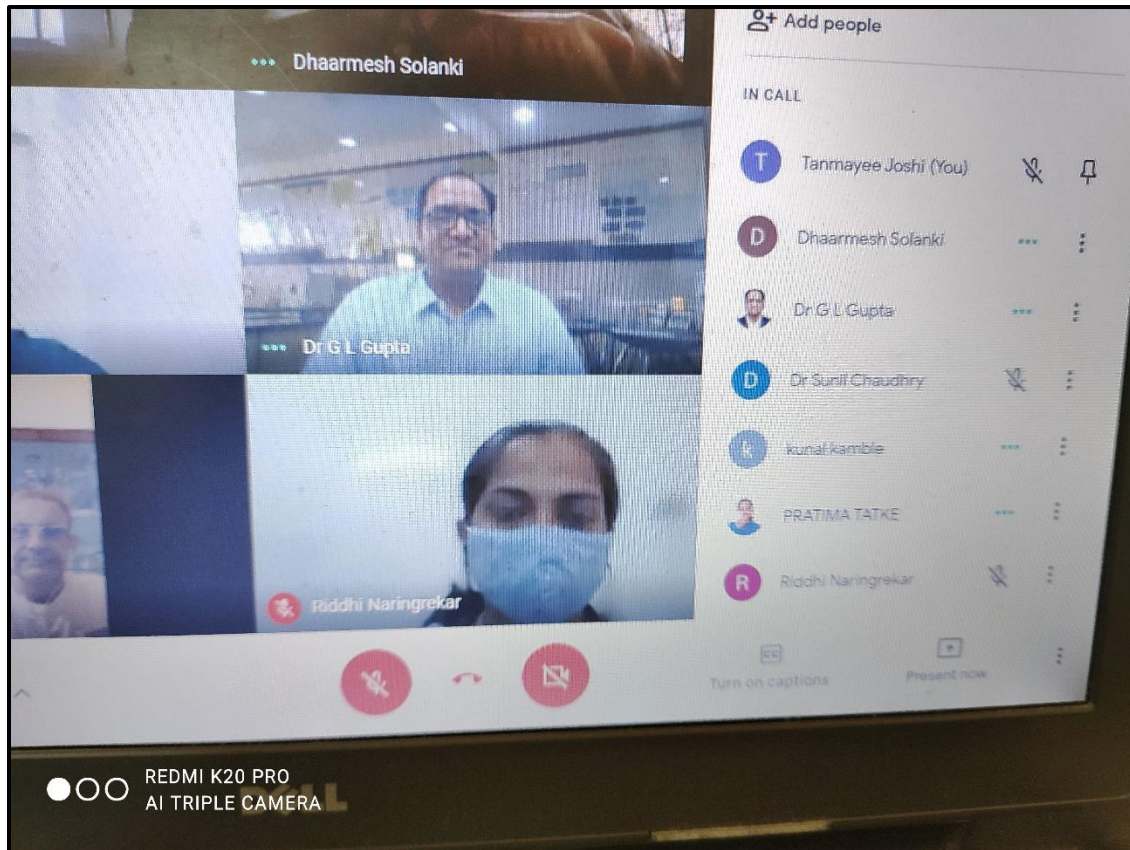


**Dr. Pratima Tatke**  
Chairperson of IAEC



**Dr. Rahul Thorat**  
Main nominee, CPCSEA

## Screenshots of The Meeting as A Prof of Attendance



## **Minutes of 15<sup>th</sup> the Institutional Animal Ethics Committee Meeting**

The IAEC Meeting of C. U. Shah College of Pharmacy (Reg. No. **39/PO/Re/S/99/CPCSEA**) was held on Wednesday, 17<sup>th</sup> March 2021 at 12.00 p.m. through Google Meet as per the CPCSEA circular F. No. 25/2/2020-CPCSEA-DADF dated 13<sup>th</sup> April 2020.

The following members were present for the meeting

1. Dr. Pratima Tatke                      Chairperson, Biological Scientists, HOD
2. Mrs. Tanmayee Joshi Member Secretary, Scientists In charge of animal facility.
3. Dr. Rahul Thorat                      Main Nominee,(CPCSEA)
4. Dr. Sunil Chaudhry                      Scientist from different biological discipline.
5. Dr. Riddhi Pednekar                      Scientist from different biological discipline
6. Dr. Kunal Kamble                      Veterinarian
7. Dr. Rahul Thorat                      Main Nominee,(CPCSEA)
8. Dr. G. L. Gupta                      Scientist from outside the institute (CPCSEA)
9. Mr. Dharmesh Solanki                      Socially aware Nominee (CPCSEA)

Dr. Pratima Tatke, Chairperson, IAEC, C. U. Shah College of Pharmacy welcomed all the members to the meeting.

The following agenda of the meeting was discussed:

1. Physical inspection of Animal House Facility by Main nominee
2. Reading and confirming minutes of IAEC meeting held in September 2020
3. Changes done in protocol CUSCP/IAEC/06/2020
4. Discussion of progress reports of the protocols approved in IAEC on September 2020.
5. Any other matter with permission of chair.

### **Agenda 1: Physical inspection of Animal House Facility by Main nominee**

The main nominee, Dr. Rahul Thorat conducted physical inspection of animal house facility at C. U. Shah College of Pharmacy. He was satisfied with overall cleanliness, record keeping of the animal house facility. He gave following suggestions:

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4. Instead of sticking cards on the cages, cards/labels can be attached to the hooks on the animal cages.
5. Fecal examination of the animals can be carried out by in-house veterinarian instead of outsourcing it.



**Agenda 2:** Reading and confirming minutes of IAEC meeting held in September 2020

Dr. Tatke, the chairperson of IAEC asked Mrs. Tanmayee Joshi, Member secretary to read the minutes of the previous meeting held in September 2020. Mrs. Tanmayee Joshi read the minutes and all members approved the same.

**Agenda 3:** Changes done in protocol CUSCP/IAEC/06/2020

Protocol CUSCP/IAEC/06/2020 entitled “Comparative study of physico-chemical characteristics and pharmacological activity of selected iron drug preparations in Wistar rats.” is regarding studying hematinic activity of certain iron preparations; which was approved in the IAEC on September 2020. As per the approved in the protocol, the anemia induction was to be carried out by giving an iron chelating agent parenterally. However, as the particular injectable isn't available in the market, the chairperson, Dr. Pratima Tatke had requested the committee to approve the amendment in the protocol through an email dated December 29 2020. As the concerned student had a deadline for submitting a thesis, the chairperson, Dr. Pratima Tatke had requested to allow the amendment. The request was kindly approved by all the committee members. In the meeting, Mrs. Tanmayee Joshi, gave the committee members updates regarding the same study.

**Agenda 4:** Discussion of progress reports of the protocols approved in IAEC on September 2020.

Mrs. Tanmayee Joshi presented the progress reports of the previously approved protocols. Progress reports of following protocols were presented.

1. CUSCP/IAEC/01/2020
2. CUSCP/IAEC/05/2020
3. CUSCP/IAEC/06/2020
4. CUSCP/IAEC/07/2020
5. CUSCP/IAEC/08/2020

Remaining protocols i.e. CUSCP/IAEC/02/2020, CUSCP/IAEC/03/2020, CUSCP/IAEC/04/2020 and CUSCP/IAEC/09/2020 are not yet started.

Dr. Gupta suggested that all the groups mentioned in the study protocols should be run parallelly and study should be conducted in without any time gaps in order to maintain the study conditions. The institute agreed to follow the same.

**Agenda 5:** Any other matter with permission of chair.

Mrs. Tanmayee Joshi expressed her concern about delays in the animal study due to unavailability of animals.

Dr. Sunil Chaudhry suggested to circulate an attendance sheet for signing, but Dr. Thorat and other members suggested that as per the letter F. No. 25/2/2020-CPCSEA-DADF, physical circulation of minutes is not necessary and the screenshot of the meeting can be kept as a proof of attendance due to pandemic situation.

Dr. Tatke thanked all the members for their continuous support and guidance and the meeting ended.



**Dr. Pratima Tatke**  
Chairperson of IAEC



**Dr. Rahul Thorat**  
Main nominee, CPCSEA

## Screenshots of The Meeting as A Prof of Attendance

