

MINUTES OF MEETING OF THE INSTITUTIONAL ANIMAL ETHICS COMMITTEE (IAEC)

Name and Address of the Establishment: School of Pharmaceutical Sciences, Shoolini University, Solan, HP, 173212.

Registration Number of Establishment: 1541/PO/Re/S/11/CPCSEA; valid till 27/02/2023.

Date and Time of Meeting: 22nd April, 2022; 11.00 AM

Venue: Online meeting arranged by IAEC, Shoolini University, Solan.

In current prevailing situation of COVID 19 pandemic and according to the guidelines provided by CPCSEA, New Delhi, the IAEC meeting was called on blended mode, offline & online (using ZOOM communication tool). All internal IAEC members attended within campus; Dr Kamal Saini, Link Nominee also visited institution and attended the meeting. The schedule of IAEC meeting was duly notified on April 8th, 2022 among all the members with agenda of the meeting. Most of the projects proposed under the meeting were related to the work of PG research students of current semester Feb-June 2022. Hence, the present meeting was proposed to be conducted on blended mode. A ZOOM link for the meeting is given below:

<https://shooliniuniversity.zoom.us/j/92318133881?pwd=b1VDRnVqcjBCcENqNWQlTzJUc1oxZz09>; Meeting ID: 923 1813 3881; Passcode: 793126; Screenshots of the meeting are enclosed in ANNEXURE: I.

Minutes of the IAEC Meeting:

Dr Deepak Kapoor, Chairman took the Chair and after ascertaining that the requisite quorum was present, welcomed all the IAEC members, and called IAEC meeting to order. Member Secretary detailed out the agenda of the meeting and point to point minutes are appended below:

Item No. 1: Approval of minutes of last IAEC meeting:

The minutes of last IAEC meeting conducted on 10.12.2021 as tabled at the meeting were read and taken on record.

Item No. 2: Consideration of profile of a Veterinarian for IAEC revision:

A profile of Dr Shivanshi, BVSc & MVSc. was presented and discussed among the members. Upon discussion, IAEC recommended her profile for inclusion to IAEC after due consideration from CPCSEA. A copy of her CV and consent are enclosed (ANNEXURE II).

Item No. 3: Decision/ Recommendation of IAEC on New Research Protocols:

Total seventeen study proposals have been discussed during IAEC meeting. PIs/ Co-PIs presented the project using power point presentation before the committee and defended the clarifications or queries raised by the members. A detail of the recommendations from IAEC are given below:

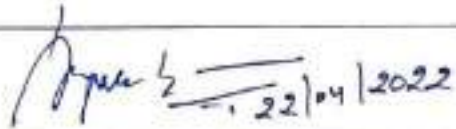
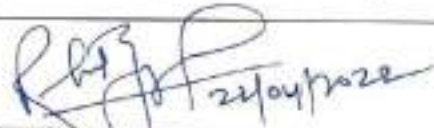
S.No.	Title of the Protocol	Protocol Number	Species Proposed	Total housing capacity for species proposed (cm ² /m ²)	Number of Animals Proposed	No. of animals recommended by IAEC	Approved/Rejected Deferred/Any other remark/Observation of IAEC
1	Evaluation of Moringa oleifera topical drug delivery systems in atopic dermatitis	IAEC/SU/22/01	Balb 'c' (F)	5028	52	36+12=48	Approved
2	Diabetic wound healing activity of formulated Nanocomposite dressing using Moringa oleifera seeds on rat model system.	IAEC/SU/22/02	Wistar Rat (E/S)	7400	50	30+12=42	Approved
3	Development and Evaluation of Novel Formulation of Chebulinic Acid for Colon Specific Drug Deliver	IAEC/SU/22/03	Balb 'c' (E/S)	3481	36	25 (n=5)	Approved; Aspirin induced ulcer model is suggested
4	Development, and Optimization of	IAEC/SU/22/04	Balb 'c' (E/S)	4641	48	35	Approved.

	Resveratrol loaded Nanocarrier Vesicular System for the treatment of Psoriasis.						
5	Development, and evaluation of SEA BUCKTHORN oil loaded nanocarrier formulation for anti-psoriatic delivery	IAEC/SU/22/05	Balb 'c' (E/S)	4641	48	20 (n=5)	Approved; three groups to be shared with IAEC/SU/22/04
6	Formulation, Optimization and Evaluation of Epigallocatechin-3-O-gallate Buccal Films for Bioavailability Enhancement	IAEC/SU/22/06	New Zealand Rabbits (E.S)	1.62 m ²	6	6	Approved
7	Determination of Anti-hyperglycemic and Anti-lipidemic Effect Of Fruit Vinegar	IAEC/SU/22/07	C57BL mice (E/S)	4835	50	38 (M)	Approved; Male animals are suggested in place of E/S; Model for Diabetes type II is suggested.
8	Development of Structured Lipid with enhanced functional properties	IAEC/SU/22/08	Wistar Rat (E/S)	5328	36	08 (C57-BL6)	Approved; C57-BL6 animals are suggested in place of Wistar rat; Control groups may be shared with IAEC/SU/22/07

9	In-vivo Pharmacokinetics study on <i>Citrus Pseudolimon</i> Essential Oil (CPEO) loaded SNEDDS	IAEC/SU/22/09	Wistar Rat (M)	4440	30	16	Approved.
10	Efficacy of Valeric acid, Glycyrrhizic acid and Diosgenin against Insulin Resistance in Alzheimer's Disease	IAEC/SU/22/10	Swiss albino mice (E/S)	6962	72	40+12=52	Approved; Selection of test agents must be done after screening from in-silico & in-vitro methods.
11	Investigation for enhanced bioavailability of plant principles by encapsulating into nano-formulation for Alzheimer's Disease	IAEC/SU/22/11	Wistar rats (M)	20128	136	48	Approved; Part A of Biodistribution study was considered only; Remaining may be considered in further IAEC meeting.
12	Design Development and Evaluation of Luliconazole Loaded transthesomes for topical delivery	IAEC/SU/22/12	Swiss albino mice (E/S)	4835	50	25	Approved.
13	Pharmacological evaluation of <i>Brugmansia suaveolens</i> for treatment of Asthma.	IAEC/SU/22/13	Wistar/ Sprague Dawley Rats (E/S)	740	5	5	Approved; Trachea may be procured from control animals from other protocols i.e. IAEC/SU/22/02 or 11.

14	Potential Impact of <i>Pinus roxburghii</i> needle extract on growth and hematological parameters in <i>Danio rerio</i> under crowding stress	IAEC/SU/22/14	<i>Danio rerio</i> (Zebra fish) (E/S)	Adequate as per CPCSEA	178	90	Approved; OECD guidelines are suggested to further screen the toxicity.
15	Exploration of the long-term effects of alcohol consumption in Alzheimer' pathophysiology	IAEC/SU/22/15	Swiss albino mice (E/S)	9476	98	66	Approved; control with n=6 and rest n=10 are suggested.
16	Assessment of Antidepressant effect and Anti oxidative efficacy of <i>Urtica dioica</i> in Zebra fish	IAEC/SU/22/16	<i>Danio rerio</i> (Zebra fish) (E/S)	Adequate as per CPCSEA	196	90	Approved; OECD guidelines are suggested to further screen the toxicity.
17	Preparation and pharmacological evaluation of a herbal gel and activity of herbal extract prepared from husk of <i>Juglans regia L.</i> for ringworm.	IAEC/SU/22/17	Guinea pig, female	23436	36	30 (n=6)	Approved; Smaller strain, Wistar rat is suggested to use; n=6; Requirement of IBSC is also verified under DBT guidelines.

Attendance of the IAEC Members present in the meeting:

S.No.	Name	Designation in IAEC	Signature with Date
1	Dr Deepak Kapoor	Chairman	 22/04/2022
2	Dr Gurfateh Singh	Main Nominee	Attended Online (approval through mail enclosed)
3	Dr Kamal Saini	Link Nominee	Visited campus & attended on blended mode (approval through mail enclosed)
4	Dr Rajneesh	Scientist from outside of the institute	Attended Online (approval through mail enclosed)
4	Mr Lalit Mohan	Socially Aware Member	Attended Online (approval through mail enclosed)
5	Dr Kamal Dev	Scientist from Different Biological Discipline	Present in campus & attended Online (approval through mail enclosed)
6	Dr Saurabh Kulshreshtha	Scientist from Different Discipline	Present in campus & attended Online (approval through mail enclosed)
7	Dr Rohit Goyal	Member Secretary	 22/04/2022

As there was no business to be transacted, the meeting was concluded with vote of thanks to the Chair and all the members of IAEC.

Date: 22.04.2022

Place: Solan

ANNEXURE: I:



Agarwal

Res

**Biodata and consent format for
Members of the Institutional Animal Ethics Committee**

Name: Dr. Shivanshi		Sex: Female	
Date of Birth (dd/mm/yy): 13/03/1995			
Professional Mailing Address (Include institutional name) School of Pharmaceutical Sciences, Shoolini University, Post box 9, Solan - 173212 (HP)			
Telephone (Office):		Mobile Number: 7018916759	
Telephone (Residence):		E-Mail: shivanshicalia18@gmail.com	
Academic Qualifications (Most current qualification first):			
Degree / Certificate	Subject	Year	Institution, Country
M.V.Sc	Animal Nutrition	2021	CSKHPKV, Palampur (HP)
B.V.Sc	Veterinary & Animal Sciences	2018	CSKHPKV, Palampur (HP)
Professional Experience:			
Month and Year	Title	Institution / Company, Country	
Nov, 2020 to Jan 2022	Assistant Professor	Nalanda Veterinary Research Training Institute, Howrah (WB)	
Experience in animal handling/ research:			
Month and Year	Area of Specialization	Institution / Company, Country	
Aug, 2018 to Mar 2021	Animal Nutrition	CSKHPKV, Palampur (HP)	
Consent:			
I hereby give my consent to be the member of the IAEC of (Name of the establishment) Shoolini University, Solan			
I undertake to follow all the rules and guidelines of the CPCSEA.			
Signature: Shivanshi			
Date: 25/03/2022.			

Objective

To devote my knowledge, experience, skills and energy to the treatment and well-being of animals and to work for an institution reputed for its excellence in fostering animal care.

Work history

I completed my B.V.Sc. and A.H. in 2018 from Dr. G.C. Negi College of Veterinary and Animal Sciences, Palampur (HP) and M.V.Sc. in 2021 in the Department of Animal Nutrition from Dr. G.C. Negi College of Veterinary and Animal Sciences, Palampur. I have one year of teaching experience in Nalanda Veterinary Pharmacist Training Institute, Hamirpur (HP).

Highlights of Qualifications

Examine and treat large and small animals

Experience in research and management of animal nutrition, health and feed distribution

Ability to conduct Nutrition based research and laboratory trials by following set protocols and procedure

Ability to interact with team members, farm workers, Government Agency official in a positive manner

Knowledge of various livestock feeding technologies, roughage utility, animal feed nutrients and various feed additives

Evaluate the chemical and nutritional value of feed, feed supplements, grass and forage for animals and pets

Formulate diets and rations to maximize growth, reproduction, health and performance of animals

Expand existing ranges of animal food products and developing new one to meet the dynamic needs of animals

Trained for "ANIMAL RESCUE" by "VERU", under a 7 day training programme

Education

2010 -	10 th : DAV public Sr. Sec. School Alampur	Marks(%) - 70.3%
2012 -	12 th : DAV public Sr. Sec. School Alampur	Marks (%) - 72%
2018-	B.V.Sc & A.H.: DGCN COVAS Palampur	OGPA- 6.901
2020-	M.V.Sc.: DGCN COVAS Palampur	OGPA - 7.9

DOB: 13/3/1995

Contact

Address

V.Po. Thural, Teh. Palampur, Distt Kangra, HP (176107)

Phone

7018916755

Email

shivanshiwalla18@gmail.com

Skills

Good in decision making

Self-management and self-motivation

Understanding of scientific basis of nutrition

Ability to work independently

Capability to introduce new ideas

Ability to conduct research in a safe, ethical and reliable manner

Familiarity with analyzing data and writing reports

Analyze nutritional disorder

Re: Minutes of IAEC meeting_Shoolini University, Solan

Deepaknandkishore Kapoor 558 <deepaknandkishore.558@shooliniuniversity.com>

Mon 5/2/2022 4:05 PM

To: Dr RohitG <rohitgoyal@shooliniuniversity.com>; gurfateh singh <dr_sugga@yahoo.co.in>; zsikamal@gmail.com <zsikamal@gmail.com>; LALIT MOHAN <cfwls@yahoo.com>; Kamal Dev <kamaldev@shooliniuniversity.com>; Sourabh Kulshreshtha <sourabhkulshreshtha@shooliniuniversity.com>; rajneesh@ihbt.res.in <rajneesh@ihbt.res.in>

Approved.

regards

Deepak Kapoor, M. Pharm., PhD
Professor & Dean
School of Pharmaceutical Sciences
Shoolini University, Post Box 9
Solan - 173212 (H.P.), India
Phone: +91-9646142349

From: Dr RohitG <rohitgoyal@shooliniuniversity.com>

Sent: Monday, May 2, 2022 2:26 PM

To: gurfateh singh <dr_sugga@yahoo.co.in>; zsikamal@gmail.com <zsikamal@gmail.com>; LALIT MOHAN <cfwls@yahoo.com>; Kamal Dev <kamaldev@shooliniuniversity.com>; Sourabh Kulshreshtha <sourabhkulshreshtha@shooliniuniversity.com>; Deepaknandkishore Kapoor 558 <deepaknandkishore.558@shooliniuniversity.com>; rajneesh@ihbt.res.in <rajneesh@ihbt.res.in>

Subject: Minutes of IAEC meeting_Shoolini University, Solan

Dear Sir,

Please find enclosed minutes of IAEC meeting for your kind approval held on 14 April 2022 on blended mode.

Please confirm the proceeding.

Thanks.

Rohit Goyal
Member Secretary

Sent from my iPhone

On 08-Apr-2022, at 1:17 PM, Dr RohitG <rohitgoyal@shooliniuniversity.com> wrote:

Dear Sir,

Please find enclosed proposal for animal experimentation under Form B and relevant document for necessary consideration.

You are kindly requested to please spare few times for review and convey a suitable date in coming week probably **14 April 2022 Thursday**, for the conduct of IAEC meeting.

Thanks.
Sincerely

Rohit Goyal
Member Secretary, IAEC

Re: Minutes of IAEC meeting_Shoolini University, Solan

gurfateh singh <dr_sugga@yahoo.co.in>

Mon 5/2/2022 7:50 PM

To: Dr RohitG <rohitgoyal@shooliniuniversity.com>; zsikamal@gmail.com <zsikamal@gmail.com>; LALIT MOHAN <cfwls@yahoo.com>; Kamal Dev <kamaldev@shooliniuniversity.com>; Sourabh Kulshreshtha <sourabhkulshreshtha@shooliniuniversity.com>; Deepaknandkishore Kapoor 558 <deepaknandkishore.558@shooliniuniversity.com>; rajneesh@ihbt.res.in <rajneesh@ihbt.res.in>

Approved ji kindly add about recent mom format also

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Rohit Goyal, PhD
Professor of Pharmacology
School of Pharmaceutical Sciences
Shoolini University, Post Box 9
Solan, HP, 173212, India
+91-981-606-2679
+91-179-230-8000

Re: Minutes of IAEC meeting_Shoolini University, Solan

Dr. Kamal Saini, ZSI, Solan <zsikamal@gmail.com>

Wed 5/4/2022 8:13 PM

To: Dr RohitG <rohitgoyal@shooliniuniversity.com>

Dear Sir, I hereby approved the MOM attached.

Dr. Kamal Saini

Link Nominee

CPCSEA

On Mon, May 2, 2022 at 2:27 PM Dr RohitG <rohitgoyal@shooliniuniversity.com> wrote:

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Professor of Pharmacology
School of Pharmaceutical Sciences
Shoolini University, Post Box 9
Solan, HP, 173212, India
+91-981-606-2679
+91-179-230-8000

Re: Minutes of IAEC meeting_Shoolini University, Solan

Rajneesh Rajneesh <rajneesh@ihbt.res.in>

Tue 5/3/2022 8:02 AM

To: Dr RohitG <rohitgoyal@shooliniuniversity.com>

Approved

From: rohitgoyal@shooliniuniversity.com

To: "dr sugga" <dr_sugga@yahoo.co.in>, zsikamal@gmail.com, cfwls@yahoo.com, kamaldev@shooliniuniversity.com, sourabhkulshreshtha@shooliniuniversity.com, "deepaknandkishore 558" <deepaknandkishore.558@shooliniuniversity.com>, "Rajneesh Rajneesh" <rajneesh@ihbt.res.in>

Sent: Monday, May 2, 2022 2:26:57 PM

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Professor of Pharmacology
School of Pharmaceutical Sciences
Shoolini University, Post Box 9
Solan, HP, 173212, India
+91-981-606-2679
+91-179-230-8000

Fw: Minutes of IAEC meeting_Shoolini University, Solan

LALIT MOHAN <cfwls@yahoo.com>

Tue 5/3/2022 1:28 AM

To: Dr RohitG <rohitgoyal@shooliniuniversity.com>

Approved

Dr Lalit Mohan

Sent from Yahoo Mail on Android

----- Forwarded message -----

From: "gurfateh singh" <dr_sugga@yahoo.co.in>

To: "rohitgoyal@shooliniuniversity.com" <rohitgoyal@shooliniuniversity.com>,

"zsikamal@gmail.com" <zsikamal@gmail.com>, "LALIT MOHAN" <cfwls@yahoo.com>, "Kamal

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Cc:

Sent: Mon, 2 May 2022 at 7:50 pm

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approved from my side as well

=====

Dr Saurabh Kulshreshtha
Professor and Dean Research & Development
School of Biotechnology
Faculty of Applied Sciences and Biotechnology
Shoolini University of Biotechnology and Management Sciences
Solan - 173212
Himachal Pradesh

=====

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