

**MINUTES OF THE MEETING OF THE IAEC HELD ON 29<sup>th</sup> SEPTEMBER, 2020 AT**

**14:30 HRS**

**DEPARTMENT OF ZOOLOGY, GOA UNIVERSITY**

**Members Present:**

1. Prof. Varun Sahni, Vice Chancellor, Goa University, (Chairman, IAEC)
2. Prof. K.Chandrashekar, Karwar Institute of Medical Sciences (CPCSEA main nominee)
3. Dr. Vishnu Kangralkar, Scientist from outside of the Institute (CPCSEA nominee)
4. Mr. Johnson Stephen, (CPCSEA nominee)
5. Dr. Nitin S. Sawant, Department Of Zoology, GU (member)
6. Prof. Sanjeev Ghadi, Professor of Biotechnology Department. (Member)
7. Dr. Gustavo Pinto, Veterinarian (Member)
8. Prof. R. Roy, HOD Zoology GU (Member Secretary)

**Special invitees**

1. Dr. Shanti N. Dessai, Dept. Of Zoology, GU
2. Mr. Mouvin Fernandes Dept. Of Zoology, GU

**Members absent**

1. Dr. Indrajeet D. Gonjari, Pharmacy college, Ratnagiri (CPCSEA link nominee)
2. Dr. Lakshangi Charya, Dept. of Microbiology (member)

Chairman welcomed all the members of IAEC, both internal members as well as nominated members by CPCSEA.

The various agendas were discussed as follows:

- i. All the following researchers briefed the members about their research proposal, where they would like to use live animals.

Name of the Researchers/ Guide	Proposal No.	Title of the Project	Funded by
Mr. Mauvin Fernandez	GUZ/IAEC/2020-21/1	The effect of heavy metal stress on the osmoregulatory processes in the edible mud crab <i>Scylla serrata</i> (Forsskal 1775).	Self funded ( Ph.D Work)
Dr Shanti N Desai	GUZ/IAEC/2020-21/2	Role of edible bivalves in amelioration of alcohol induced hepatitis in mice, <i>Mus musculus</i> .	DSTE, Govt. Of Goa ( under consideration for grants approval)
Dr Nitin Sawant	GUZ/IAEC/2020-21/3	Diversity of Herpetofauna of Goa, Maharashtra and Karnataka.	MoEF, Govt. Of India

- ii. CPCSEA members raised some queries against the research proposals to which the proposer gave the answer. Members also suggested that the proposer should modify the Form-B, with clear mention of time of permission, number of animals, SOP for handling the live animals and SOP for research protocol in order to justify the number of animals required.
- iii. It was decided that the soft copy of Form-B after incorporating the suggestion given by the members - would be mailed to the members for final checking. After which IAEC approval will be given.
- iv. It was also decided that henceforth, all new proposal coming for IAEC approval, soft copy of the proposal would be sent to the members before conveying IAEC meeting.
- v. It was also decided that there will be at least one IAEC meeting with External and Internal members, which would be conveyed (offline/online). Also one meeting will be held every six months with the Internal member of IAEC to monitor the use of live animals for experimental purpose.

Meeting ended with the vote of thanks given by Member Secretary.

Member Secretary (IAEC)

(Prof. R. Roy)

Chandrasekhar

CPCSEA main Nominee

Professor & Head  
Dept of Pharmacology  
KMC Kankan

Chairman (IAEC)

Goa University

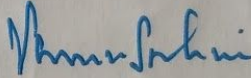

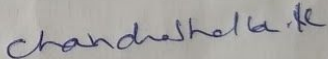
(Prof. Varun Sahni)

Date: 12/x/2020



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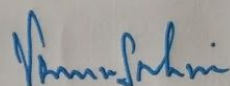

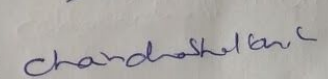
This is to certify that the project proposal No **GUZ/IAEC/2020-21/2** entitled "**Role of edible bivalves in amelioration of alcohol induced hepatitis in mice, *Mus musculus***" submitted by **Dr. Shanti N. Dessai** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on **29<sup>th</sup> September, 2020** (date) and **92, *Mus Musculus*** (Number and Species of Animals) have been sanctioned under this.

Authorized by	Name	Signature	Date
Chairman	: Prof. Varun Sahni		
Member Secretary	: Prof. Ramaballav Roy		
Main Nominee of CPCSEA	: Prof. K. Chandrashekar		

( Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

## Certificate

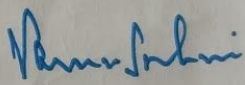
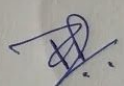
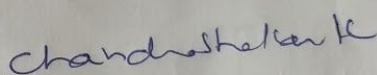
This is to certify that the project proposal No **GUZ/IAEC/2020-21/1** entitled "**The effect of heavy metal stress on the osmoregulatory processes in the edible mud crab *Scylla serrata* (Forsskal 1775)**" submitted by **Mr. Mouvin F. Fernandes** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on **29<sup>th</sup> September, 2020** (date) and **32 X 3, *Scylla serrata*** (Number and Species of Animals) have been sanctioned under this.

Authorized by	Name	Signature	Date
Chairman	: Prof. Varun Sahni		
Member Secretary	: Prof. Ramaballav Roy		
Main Nominee of CPCSEA	: Prof. K. Chandrashekar		

( Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

## Certificate

This is to certify that the project proposal No **GUZ/IAEC/2020-21/3** entitled "**Diversity of Herpetofauna of Goa, Maharashtra and Karnataka**" submitted by **Dr. Nitin S. Sawant** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on **29<sup>th</sup> September, 2020** (date) and **Reptiles and Amphibia** (Number and Species of Animals) have been sanctioned under this.

Authorized by	Name	Signature	Date
Chairman	: Prof. Varun Sahni		
Member Secretary	: Prof. Ramaballav Roy		
Main Nominee of CPCSEA	: Prof. K. Chandrashekar		

( Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



**MINUTES OF THE MEETING OF THE IAEC HELD ON 26<sup>TH</sup> JULY, 2021 AT  
11.00 HRS.**

**DEPARTMENT OF ZOOLOGY, GOA UNIVERSITY**

**Members Present:**

1. Prof. Varun Sahni, Vice Chancellor, Goa University, (Chairman, IAEC)
2. Prof. K. Chandrashekar, Karwar Institute of Medical Science (CPCSEA main nominee)
3. Dr. Indrajeet D. Gonjari, Pharmacy College, Ratnagiri (CPCSEA Link nominee)
4. Dr. Vishnu Kangralkar, Scientist from outside of the Institute (CPCSEA nominee)
5. Mr. Johnson Stephen, (CPCSEA nominee)
6. Dr. Nitin S. Sawant, Department of Zoology, (member)
7. Prof. Sanjeev Ghadi, Professor of Biotechnology Department, (member)
8. Dr. Lakshangi Charya, Department of Microbiology, (member)
9. Prof. R. Roy, HOD Zoology (member Secretary)

**Special Invitees**

1. Dr. Shanti N. Desai, Department of Zoology, Goa University.
2. Dr. Shamshad M. Shaikh, Department of Zoology, Goa University.

**Members absent**

1. Dr. Gustavo Pinto, Veterinarian (member)

Chairman welcomed all the members of IAEC, both internal members as well as nominated members by CPCSEA.

The Various agendas were discussed as follows:

1. All the following researchers briefed the members about their research proposal, where they would like to use live animals.
- 2.

Name of the Researchers/Guide	Proposal No.	Title of the Project	Funded by
Dr. Shamshad Shaikh	GUZ/IAEC/20-21/N1	Evaluating the effect of Carbon Black Nanoparticles on <i>Mus musculus</i>	Dept. of Zoology, Goa University (M Sc. Dissertation)

Dr. Nitin Sawant	GUZ/IAEC/20-21/R1	Diversity of Herpetofauna of Goa, Maharashtra and Karnataka	MoEF, Govt of Goa Renewal
Mr. Dipak Bowalkar	GUZ/IAEC/20-21/N2	Ecology studies of Anurans in few selected lateritic rocky outcrops along central Western Ghats in the State of Goa	Self funded (PhD work)
Ms. Mithali Halankar	GUZ/IAEC/20-21/N3	Autecology of <i>Cerebrus Rhyncops</i> on central west coast	Self funded (PhD work)
Dr. Shanti Dessai	GUZ/IAEC/20-21/N4	Study of CPEB4 and FMR1 gene expression in Chick embryo brain	Dept. of Zoology, Goa University (M Sc. Dissertation)
Dr. Shanti Dessai	GUZ/IAEC/20-21/N5	Developmental Neurogenesis: qRT-PCR profiles of mRNA expression	Seed Money grants, Goa University

3. CPCSEA members raised some queries against the research proposal submitted by Dr. Nitin Sawant and Dr. Shanti Desai to which the proposers gave the answer to which the members were satisfied.
4. CPCSEA members suggested to Dr. Shamshad Shaikh to make the proposal for one year and reduce the mice from 12 to 08 in each group.
5. CPCSEA members suggested to Miss Mithila to take care of the necessary safety measures while handling with the live snakes. They have recommended to keep prophylactic drugs with them.
6. CPCSEA members suggested to Mr. Dipak to take some training for flushing the stomach content in live anurans.

7. CPCSEA approval to the proposal made by Mithali and Dipak are subjected to the **clearance from competent authorities for collecting wildlife for their research work.**

Meeting ended with the vote of thanks given by Member Secretary.

Member Secretary (IAEC)

Chandrasekhar K  
27/7/21  
CPCSEA main Nominee

27.7.2021




Ramachandran  
Chairman (IAEC)  
Goa University  
**VICE CHANCELLOR  
GOA UNIVERSITY**

Date: 28/07/2021



### Certificate

This is to certify that the project proposal no. GUZ/IAEC/20-21/N1 entitled, "Evaluating the effect of Carbon Black Nanoparticles on *Mus musculus*", submitted by Dr. Shamsud Shafik, has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 26/07/2021 and 32 numbers of *Mus musculus* (Number and Species of animals) have been sanctioned under this.

Authorized by	Name	Signature	Date
Chairman:	Professor Vamsu Sahni		27.07.2021
Member Secretary:	Prof. R. Roy		27.07.2021
Main Nominee of CPCSEA:	DR. CHANDRASHEKHANIL		27/7/21

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Officer)

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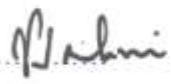

This is to certify that the project proposal no. **GUZ/IAEC/20-21/R1** entitled, 'Diversity of Herpetofauna of Goa, Maharashtra and Karnataka', submitted by **Dr. Nitin Sawant** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on **26/07/2021** and **NIL** (Number and Species of animals) have been sanctioned under this.

Authorized by	Name	Signature	Date
Chairman:	Professor Varun Sahni	[Signature]	27.07.2021
Member Secretary:	Prof. R. Roy	[Signature]	27.07.2021
Main Nominee of	chandrashen		
CPCSEA:	DR. CHANDRASHEN		27/7/21

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/20-21/N2 entitled, "Ecology studies of Anurans in few selected lateritic rocky outcrops along central Western Ghats in the State of Goa", submitted by **Mr. Dipak Bowalkar** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 26/07/2021 and 3-6 individuals of 4 selected species of anurans (Number and Species of animals) have been sanctioned under this. The CPSEA approval to this proposal will be subjected to the clearance from competent authorities for collecting wildlife for their research work.

Authorized by	Name	Signature	Date
Chairman:	Professor Vannu Sahni		27.07.2021
Member Secretary:	Prof. R. Roy		27.07.2021
Main Nominee of	Chandrashekar		
CPCSEA:	DR. CHANDRASHEKAR		27/7/21

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



### Certificate

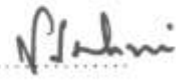

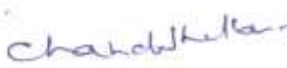
This is to certify that the project proposal no. **GUZ/IAEC/20-21/N3** entitled, "Autecology of *Cerebrus Rhyncops* on central west coast", submitted by **Ms. Mithali Halankar** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on **26/07/2021** and **NIL** (Number and Species of animals) have been sanctioned under this. The CPSEA approval to this proposal will be subjected to the clearance from competent authorities for collecting wildlife for their research work.

Authorized by	Name	Signature	Date
Chairman:	Professor Vannu Sahni		27.07.2021
Member Secretary:	Prof. R. Roy		27.07.2021
Main Nominee of CPSEA:	Dr. CHANDRASHEKHAR		27/7/21

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no, **GUZ/IAEC/20-21/N4** entitled, 'Study of CPEB4 and FMR1 gene expression in Chick embryo brain', submitted by **Dr. Shanti Dessai** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on **26/07/2021** and **60 eggs for chick embryo**(Number and Species of animals) have been sanctioned under this.

Authorized by	Name	Signature	Date
Chairman:	Professor Varmu Sahni		27.07.2021
Member Secretary:	Prof. R. R. R.		27.07.2021
Main Nominee of CPCSEA:	Dr. CHANDANASHEEM		27/7/21

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. **GUZ/IAEC/20-21/N5** entitled, 'Developmental Neurogenesis: qRT-PCR profiles of mRNA expression', submitted by **Dr. Shanti Dessai** has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on **26/07/2021** and **45 eggs for chick embryo**(Number and Species of animals) have been sanctioned under this.

Authorized by	Name	Signature	Date
Chairman:	Professor Vaman Sahni	[Signature]	27.07.2021
Member Secretary:	Prof. R. Roy	[Signature]	27.07.2021
Main Nominee of	Chandakula		
CPCSEA:	DR. CHANANASHEERAN.		27/7/21

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



**MINUTES OF THE MEETING OF THE IAEC HELD ON 05<sup>TH</sup> AUGUST, 2022 AT 11.00 HRS.**

**DEPARTMENT OF ZOOLOGY, GOA UNIVERSITY**

**Members Present:**

1. Prof. Harilal B. Menon, Vice Chancellor, Goa University, (Chairman, IAEC)
2. Prof. K. Chandrashekar, Karwar Institute of medical Science (CPCSEA main nominee)
3. Dr Vishnu Kangralkar, Scientist from outside of the institute (CPCSEA nominee)
4. Mr Johnson Stephen (CPCSEA nominee)
5. Dr. Gustavo Pinto, Veterinarian (Member)
6. Dr Lakshangi Charya, Programme Director, Microbiology, (Member)
7. Dr. Nitin Sawant, Programme Director, Zoology (SBSB), (Member)
8. Prof. Savita Kerkar, Dean, School of Biological sciences and Biotechnology (Member Secretary)

**Member absent**

1. Dr. Indrajeet D. Gonjari, Pharmacy College, Ratnagiri (CPCSEA link nominee)
2. Prof. Sanjeev Ghadi, Vice Dean, School of Biological sciences and Biotechnology (Member)

Chairman welcomed all the members of IAEC, both internal as well as nominated members by CPCSEA

The various agendas discussed were as follows:

1. All the following researchers briefed the members about their research proposal, where they would like to use live animals.

Name of the researcher /Guide	Proposal number	Title of the project	No. of animals	Funded by
Dr. Bhakti B Salgaonkar	GUZ/IAEC/22-23/N1	Development of a fish feed product prototype using prebiotics and vitamins supplement from non-pathogenic, gut-friendly halophilic archaea	180 number of <i>Mozambique tilapia (Oreochromis mossambicus)</i> and 180 number of <i>Asian sea bass (Lates calcarifer)</i>	DST-SERB, Government of India
Dr. Moitreyi Banerjee	GUZ/IAEC/22-23/N2	Screening and characterization of metabolites effective for	1500 number of <i>Zebra fish (Danio rerio)</i>	University Grant Commission

		neuroprotection against depression produced by hypersaline bacteria from the salt pans of Goa, India		New Delhi, India
Dr. Shamshad Bi M. Shaikh	GUZ/IAEC/22-23/N3	Effect of Carbon Black Nanoparticles on the Albino mice " <i>Mus musculus</i> "	64 number of mice ( <i>Mus musculus</i> )	SERB-DST, Government of India
Dr. Shamshad Bi M. Shaikh	GUZ/IAEC/22-23/N4	Effect of short-term exposure of Cadmium Oxide Nanoparticles in <i>Mus musculus</i>	66 number of mice ( <i>Mus musculus</i> )	Self-financed
Dr. Shamshad Bi M. Shaikh	GUZ/IAEC/22-23/N5	Effect of Carbon Black Nanoparticles (CBNPs) on short neck clam " <i>Paphia malbarica</i> "	84 number of bivalves ( <i>Paphia malbarica</i> )	Self-financed
Dr. Shamshad Bi M. Shaikh	GUZ/IAEC/22-23/N6	Effect of Coal Tar on mud clam " <i>Polymesoda erosa</i> "	79 number of bivalves ( <i>Polymesoda erosa</i> )	Self-financed
Dr. Shanti N. Dessai	GUZ/IAEC/22-23/N7	Glutamate and GABA Receptors expression profiles of Chick Embryo Cerebrum	14 number of Fertilized eggs ( <i>Gallus gallus</i> , white Leghorn strain)	SERB-DST, Government of India
Dr. Avelyno D'Costa	GUZ/IAEC/22-23/N8	Toxicity assessment of Green Chromide ( <i>Etroplus suratensis</i> )	70 number of Green Chromide ( <i>Etroplus suratensis</i> )	Self-financed
Dr. Avelyno D'Costa	GUZ/IAEC/22-23/N9	Estimation of heavy metal toxicity in chicken droppings and genotoxicity in chicken blood	50 number of <i>Gallus gallus</i>	Self-financed
Dr. Avelyno D'Costa	GUZ/IAEC/22-23/N10	Toxicological assessment of Haematological and Histological changes in <i>Cyprinus carpio</i> after exposed to Copper and Lead	10 number of <i>Cyprinus carpio</i>	Self-financed
Dr. Avelyno D'Costa	GUZ/IAEC/22-23/N11	<i>Cyclophorus</i> sp. bioindicator for analysing environmental pollution	<i>Cyclophorus</i> sp.	Self-financed
Ms. Gandhita Kundaikar	GUZ/IAEC/22-23/N12	Biochemical estimation and seasonal comparison of the bioactive compounds in the common blackish water fishes of Goa : Green Chromide ( <i>Etroplus suratensis</i> ) and Grey Mullet ( <i>Mugil cephalus</i> )	72 numbers of <i>Etroplus suratensis</i> (Green Chromide) and 72 numbers of <i>Mugil Cephalus</i> (Grey mullet)	Self-financed
Ms. Gandhita Kundaikar	GUZ/IAEC/22-23/N13	Proximate Analysis of Azolla and effect of	and 60 number of <i>Lates</i>	Self-financed

		formulated fish diet supplemented with Azolla on the growth performance and feed utilization of fingerlings of <i>Lates Calacarifert</i> (Asian Sea Bass)	<i>Calacarifert</i> (Asian Sea Bass)	
Dr. Nitin Sawant	<u>GUZ/IAEC/2-23/N14</u>	Ecology of <i>Nyctibatrachus</i> (Boulenger, 1882 along the Western Ghat region of Goa)	3 number of <i>Nyctibatrachus</i> species	NA
Dr. Nitin Sawant	<u>GUZ/IAEC/2-23/N15</u>	A study on ecology of <i>Craspedocephalus malabaricus</i> jerdon 1854 from Goa	12 number of <i>Craspedocephalus malabaricus</i>	NA
Dr. Nitin Sawant	<u>GUZ/IAEC/2-23/N16</u>	To Study the Distribution Pattern of <i>Idea malabarica</i> (Malabar-tree nymph) and its breeding Ecology	NA	Self-financed
Dr. Nitin Sawant	<u>GUZ/IAEC/2-23/N17</u>	Diversity of Spiders in different habitats of Goa	NA	NA

2. CPCSEA member raised some queries against the research proposals submitted to which the proposers gave the answers to which the members were satisfied.
3. CPCSEA members approved all the above proposals with minor modifications in few proposals

Meeting ended with the vote of thanks given by Member secretary

Prof Savita Kerkar  
Member Secretary (IAEC)  
Goa University

*[Signature]*  
Prof. Harilal B. Menon  
Chairman (IAEC)  
Goa University

*[Signature]*  
Prof. K. Chandrashekar  
CPCSEA main Nominee

*[Signature]*  
Dr. Vishnu Kangralkar  
CPCSEA nominee

*[Signature]*  
Mr. Johnson Stephen  
CPCSEA nominee

*[Signature]*  
Dr. Gustavo Pinto  
Veterinarian (member)

Date: 05/08/2022

*[Signature]*  
(5/8/22 to 30/8/22)

④ Any practical using Animal house for MSc practical is approved  
*Chandrashekar*  
*Chandrashekar*  
5/8/22



Attendance sheet for Members of IAEC committee for the meeting held on 5/08/2022

Sr. No	Name of the member	Designation 1	Designation 2	Signature
1	Dr. Harilal B Menon	Scientist from different biological discipline	Chairperson	<u>Dr. Harilal B Menon</u>
2	Dr. Savita Kerkar	Biological Scientist	Member Secretary	<u>Savitakerkar</u> 5/8/22
3	Dr. Gustaw Pinto	Veterinarian	NA	<u>Gustaw Pinto</u>
4	Dr. Nitin Sawant	Scientist Incharge of Animal house facility	NA	<u>Nitin Sawant</u> 5/8/22
6	Dr. Sanjeev Ghadi	Scientist from different biological discipline	NA	Absent
7	Dr. Chandrashekar K	Main Nominee	NA	<u>Chandrashekar K</u>
8	Dr. Indrajeet D. Gonjari	Link Nominee	NA	Absent
9	Shri Vishnu A Kangralkar	Scientist from outside University	NA	<u>Vishnu A Kangralkar</u>
10	Mr Johnson Stephen	Socially Aware Nominee	NA	<u>Johnson</u>



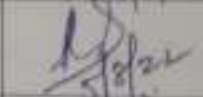
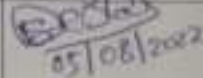


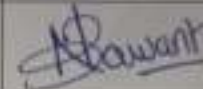
11 Dr. Lakshmy S. Changa  
Member from Microbiology Programme

Changa

6. Dr. Sanjeev Ghadi's wife tested ~~card~~ positive  
So he could not attend the meeting.

8. Dr. Indrajeet D. Gonjari expressed his inability to attend the meeting due to sudden <sup>work</sup> ~~work~~ at the institution.

Attendance sheet for Members of IAEC committee for the meeting held on 5/08/2022

Sr. No	Name of the member	Designation	Number of proposals	Signature
1	Dr. Bhakti B. Salgaonkar	Assistant Professor	1	 05/08/2022
2	Moitreyi Banerjee	Post doc. fellow	1	 5/8/22
3	Dr. Shamshad Bi M. Shaikh	Assistant Professor	4	 5/8/22
4	Dr. Shanti N. Dessai	Assistant Professor	1	 05/08/2022
6	Dr. Avelyno D'Costa	Assistant Professor	4	 5/8/22
7	Gandhita Kundaikar	Assistant Professor	2	 5/8/22
8	Dr. Nitin Sawant	Assistant Professor	4	 N. Sawant

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N1 entitled Development of a fish feed product prototype using prebiotics and vitamins supplement from non-pathogenic, gut-friendly halophilic archaea submitted by Dr. Bhakti B. Salgaonkar has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 150 numbers of Mozambique tilapia (*Oreochromis mossambicus*) and 150 numbers of Asian sea bass (*Lates calcarifer*) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 1 year.

Authorized by                      Name                      Signature                      Date

Chairman: Prof. H. B. Menon Hon. H. B. Menon 5/8/22  
05/08

Member Secretary: Savitakerkar Savitakerkar 5/8/22

Main Nominee of CPCSEA: Dr. Chandrashekar K. Chandrashekar K. 5/8/22

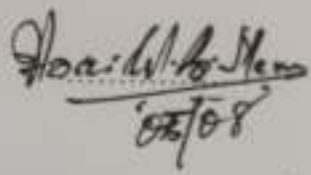
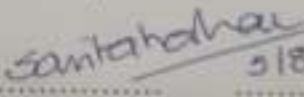
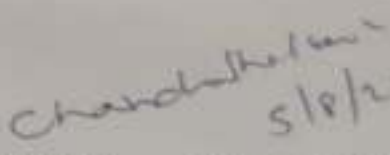
(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N2 entitled Screening and characterization of metabolites effective for neuroprotection against depression, produced by hypersaline bacteria from the salt pans of Goa, India submitted by Dr. Maitreyi Banerjee has been approved/recommended by the IAEC of Gua University (Organization) in its meeting held on 05/08/2022 (date) and 500 number of Zebra fish (*Danio rerio*) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 1 year.



Authorized by	Name	Signature	Date
Chairman:	Prof. H. B. Menon	 05/08	5/8/2022
Member Secretary:	Prof. Savita Kerkar	 Sanitahar	5/8/22
Main Nominee of CPCSEA:	Dr. Chandrashekhar K.	 Chandrashekhar	5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N3 entitled Effect of Carbon Black Nanoparticles on the Albino mice "Mus musculus" submitted by Dr. Shamshad Bi M. Shaikh has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 32 number of mice (Mus musculus) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 8 months.



Authorized by

Name

Signature

Date

Chairman:

Prof. H. B. Menon Shamshad Bi M. Shaikh 5/8/2022  
95/08

Member Secretary:

Prof. Savitakarkar Savitakarkar 5/8/22

Main Nominee of CPCSEA: Dr. Chandrasekar

Chandrasekar 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N4 entitled Effect of short-term exposure of Cadmium Oxide Nanoparticles in *Mus musculus* submitted by Dr. Shamshad Bi M. Shaikh has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 38 number of mice (*Mus musculus*) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 8 months.

Authorized by

Name

Signature

Date



Chairman:

Prof. H. B. Menon

[Signature]  
05/08

5/8/2022

Member Secretary:

Prof. Savitakerhar Santakumar

5/8/22

Main Nominee of CPCSEA: Dr. Chandrashekar K.

[Signature]  
5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N5 entitled Effect of Carbon Black Nanoparticles (CBNPs) on short neck clam "Paphia malbarica" submitted by Dr. Shamshad Bi M. Shaikh has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 84 number of bivalves (Paphia malbarica) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 7 months.

Authorized by

Name

Signature

Date



Chairman:

Prof. H. B. Menon

*Shamshad B. M. Shaikh*  
*05/08*

5/8/22

Member Secretary:

Prof. Savita Kerkar Samitahar

5/8/22

Main Nominee of CPCSEA:

Dr. Chandrashekar K.

*Chandrashekar K.*  
*5/8/22*

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N6 entitled Effect of Coal Tar on mud clam "Polymesoda erosa" submitted by Dr. Shamshad Bi M. Shaikh has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 79 number of bivalves (Polymesoda erosa) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 7 months.

Authorized by

Name

Signature

Date



Chairman:

Prof. H. B. Menon

Shamshad B. Shaikh  
05/08

5/8/22

Member Secretary:

Prof. Savita Kerkar  
Savita Kerkar  
5/8/22

Main Nominee of CPCSEA: Dr. Chandrashekar K.

Chandrashekar K.  
5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

## Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N7 entitled Glutamate and GABA Receptors expression profiles of Chick Embryo Cerebrum submitted by Dr. Shanti N. Dessai has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 14 number of Fertilized eggs (Gallus gallus, white Leghorn strain) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 7 months.



Authorized by

Name

Signature

Date

Chairman: Prof. H. B. Manon Shanti N. Dessai 5/8/22  
05/08

Member Secretary: Prof. Savita Kerkar Santosh Kerkar 5/8/22

Main Nominee of CPCSEA: Dr. Chandrashekar K. Chandrashekar K. 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N8 entitled Toxicity assessment of Green Chromide (*Etrophus suratensis*) collected from water bodies of Panjim, Goa submitted by Dr. Avelyno D'Costa has been approved/recommended by the IAEC of Goa University(Organization) in its meeting held on 05/08/2022 (date) and 70 number of Green Chromide (*Etrophus suratensis*) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 8 months.

Authorized by

Name

Signature

Date



Chairman:

Prof. H.B. Moron Dr. H.B. Moron 5/8/22  
05/08

Member Secretary:

Prof. Savita Kerkar Savita Kerkar 5/8/22

Main Nominee of CPCSEA:

Dr. Chandrashekhar Chandrashekhar 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N9 entitled Estimation of Heavy metal toxicity in chicken droppings and genotoxicity in chicken blood submitted by Dr. Avelyno D'Costa has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 50 number of Gallus gallus (Number and Species of animals) have been sanctioned under this proposal for a duration of next 9 months.

Authorized by

Name

Signature

Date



Chairman:

Prof. H.B. Menon

*Dr. H.B. Menon*  
*05/08*

5/8/22

Member Secretary:

Prof. Savita Kerkar

*Savitakerkar*  
*5/8/22*

5/8/22

Main Nominee of CPCSEA:

Dr. Chandrashekhar

*Chandrashekhar*  
*5/8/22*

5/8/22

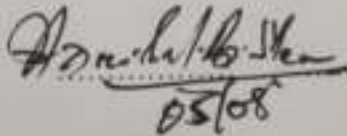
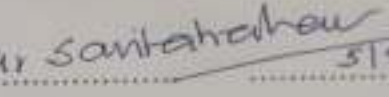
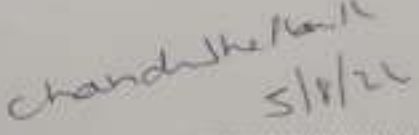
(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N10 entitled Toxicological assessment of Haematological and Histological changes in *Cyprinus carpio* after exposed to Copper and Lead submitted by Dr. Avelyno D'Costa has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 10 number of *Cyprinus carpio* (Number and Species of animals) have been sanctioned under this proposal for a duration of next 9 months.



Authorized by	Name	Signature	Date
Chairman:	Prof H B Menon		5/8/2022
Member Secretary:	Prof. Savita Kerkar Sanitaharwar		5/8/22
Main Nominee of CPCSEA:	Dr. Chandrashekark		5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N11 entitled Cyclophorus sp. bioindicator for analysing environmental pollution submitted by Dr. Avelyno D'Costa has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 70 number of Cyclophorus sp. (Number and Species of animals) have been sanctioned under this proposal for a duration of next 7 months.

Authorized by

Name

Signature

Date



Chairman:

Prof. H. B. Menon H. B. Menon 5/8/22  
05/08

Member Secretary:

Prof. Savita Kerkar Savita Kerkar 5/8/22

Main Nominee of CPCSEA:

Dr. Chandrashekhar K. Chandrashekhar K. 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N12 entitled Biochemical estimation and seasonal comparison of the bioactive compounds in the common blackish water fishes of Goa : Green Chromide (*Etroplus suratensis*) and Grey Mullet (*Mugil cephalus*) submitted by Ms. Gandhita Kundaikar has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 72 numbers of *Etroplus suratensis* (Green Chromide) and 72 numbers of *Mugil Cephalus* (Grey mullet) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 9 months.

Authorized by

Name

Signature

Date



Chairman:

Prof. H.B. Menon Dr. H.B. Menon 5/8/2022  
astor

Member Secretary:

Prof. Santa Kerkar Santakhar 5/8/22

Main Nominee of CPCSEA:

Dr. Chandrashekhar Chandrashekhar 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N13 entitled Proximate Analysis of Azolla and effect of formulated fish diet supplemented with Azolla on the growth performance and feed utilization of fingerlings of *Lates calacurifer* (Asian Sea Bass) submitted by Ms. Gandhita Kundaikar has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 60 number of *Lates Calacurifer* (Asian Sea Bass) (Number and Species of animals) have been sanctioned under this proposal for a duration of next 10 months.



Authorized by

Name

Signature

Date

Chairman:

Prof. H. B. Menon

*H. B. Menon*  
05/08

5/8/2022

Member Secretary:

Prof. Savitakerkar

*Savitakerkar*  
5/8/22

5/8/22

Main Nominee of CPCSEA: Dr. Chandrashekar K.

*Chandrashekar K.*  
5/8/22

5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N14 entitled Ecology of Nyctibatrachus (Boulenger, 1882 along the Western Ghat region of Goa submitted by Dr. Nitin Sawant has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and Number based on situation and requirements of Nyctibatrachus species (Number and Species of animals) have been sanctioned under this proposal for a duration of next 2 years.



Authorized by Name

Signature

Date

Chairman: Prof. H B Menon 05/08 5/8/2022

Member Secretary: Prof. Santakerkar Santakerkar 5/8/22

Main Nominee of CPCSEA: Dr. Chandrasekhar K. Chandrasekhar 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N15 entitled A study on ecology of *Craspedocephalus malabaricus* jerdon 1854 from Goa, India submitted by Dr. Nitin Sawant has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and 12 number of *Craspedocephalus malabaricus* species (Number and Species of animals) have been sanctioned under this proposal for a duration of next 3 years.



Authorized by Name Signature Date

Chairman: Prof. H. B. Menon [Signature] 5/8/22  
05/08

Member Secretary: Prof. Savitakerkar Santakshar [Signature] 5/8/22

Main Nominee of CPCSEA: Dr. Chandrashekanki [Signature] 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N16 entitled To Study the Distribution Pattern of *Idea malabarica* (Malabar-tree nymph) and its breeding Ecology submitted by Dr. Nitin Sawant has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and NA (Number and Species of animals) have been sanctioned under this proposal for a duration of next 1 years.

Authorized by

Name

Signature

Date



Chairman

Prof. H.B. Monon

*[Handwritten Signature]*  
05/08

5/8/2022

Member Secretary

Prof. Santakerkar Santaharhar

5/8/22

Main Nominee of CPCSEA

Dr. Chandrashekhar K.

*[Handwritten Signature]*  
5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

### Certificate

This is to certify that the project proposal no. GUZ/IAEC/22-23/N17 entitled Diversity of Spiders in different habitats of Goa submitted by Dr. Nitin Sawant has been approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 05/08/2022 (date) and NA (Number and Species of animals) have been sanctioned under this proposal for a duration of next 1 years.



Authorized by                      Name                      Signature                      Date

Chairman: Prof. H. B. Menon H. B. Menon 5/8/2022  
05/08/22

Member Secretary: Prof. Savita Kerkar Savitakar 5/8/22

Main Nominee of CPCSEA: Dr. Chandroshekar K. Chandroshekar 5/8/22

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)



### Certificate

This is to certify that the project proposal no. GUZ/IAEC/2021/R1, GUZ/IAEC/2021/N2 and GUZ/IAEC/2021/N3 entitled "Diversity of Herpetofauna of Goa, Maharashtra and Karnataka", "Ecology studies of Anurans in few selected lateritic rocky outcrops along central western ghats in the state of Goa" and "Autecology of *Cerebrus rhyncoops* on central west coast", submitted by Dr. Nitin Sawant, Mr. Dipak Bowalkar and Ms Mithali Halankar respectively, which was approved/recommended by the IAEC of Goa University (Organization) in its meeting held on 26/07/2021 and is being renewed on 05/08/2022 for a duration of next one year.



Authorized by

Name

Signature

Date

Chairman:

Prof. H.B. Menon

*H.B. Menon*  
05/08

5/8/22

Member Secretary:

Prof. Savita Kerkar

*Savitakerkar*

5/8/22

DR. CHANDRASEKHARAN

*Chandrasekharan*

5/8/22

Main Nominee of CPCSEA:

(Kindly make sure that minutes of the meeting duly signed by all the participants are maintained by Office)

**Minutes of the meeting of the IAEC held on 12<sup>th</sup> September , 2023 at 11:00 AM**  
**Zoology Discipline, School of Biological Sciences and Biotechnology, Goa University**

**Members Present**

Prof. Harilal B. Menon, Vice Chancellor, Goa University (Chairman, IAEC)

Prof. Savita Kerkar, (Member Secretary IAEC)

Prof. Sanjeev Ghadi, Scientist from different biological discipline (Biotechnology discipline)

Dr. Lakshangy Charya, Scientist from different biological discipline (Microbiology discipline)

Dr. Gustav Pinto, Veterinarian

Dr. Nitin Sawant, Scientist incharge of Animal House facility

Dr. Indrajeet D. Gonjari, Pharmacy College, Ratnagiri (CCSEA link Nominee)

Shri. Vishnu A. Kangralkar, Scientist from outside of the institute (CCSEA nominee)

Mr. Johnson Stephen, CCSEA socially aware nominee

**Members absent**

Dr. Chandrashekar K. (CCSEA main nominee)

Chairman welcomed all the members of IAEC, both internal members as well as members nominated by CCSEA.

Dr. Indrajeet D. Gonjari attended the meeting through the Google meet- link that was shared.

The agenda discussed was as follows:

<b>SR. NO</b>	<b>NAME OF THE PI/RESEARCH SCHOLAR</b>	<b>Proposal No.</b>	<b>TITLE</b>	<b>Funded by</b>
1.	Mrs. Pearl Pinto	GUZ/IAEC/23-24/N1	Ameliorative Effect of Bioactive components of <i>Murraya Koenigii</i> (curry leaf) on Clozapine induced Hyperlipidemia in Wistar rats	Self funded.
2.	Dr. Avelyno D'Costa	GUZ/IAEC/23-24/N2	Silver/manganese nanoparticles (Ag/MnNPs) induced toxicity, histopathological and biochemical	Self-funded (M.Sc. Dissertation)

			changes in Swiss albino mice, in vivo	
3.	Dr. Avelyno D'Costa	GUZ/IAEC/2 3-24/N3	Chronic toxicity evaluation of Orally Administered Nylon (Polyamide) and Polyester Micro/Nanoplastics in mice, <i>Mus musculus</i>	Self-funded (M.Sc. Dissertation)
4.	Dr. Avelyno D'Costa	GUZ/IAEC/2 3-24/N4	Genotoxic and Neurotoxic effects of MW CNT's on <i>Mus musculus</i> : Assessment and detoxification strategies	Self-funded (M.Sc. Dissertation)
5.	Dr. Shanti Dessai	GUZ/IAEC/2 3-24/N5	Combined effects of Caffeine and Aspartame on the Female Reproductive System of Mouse ( <i>Mus musculus</i> )	Self-funded (M.Sc. Dissertation)
6.	Dr. Shanti Dessai	GUZ/IAEC/2 3-24/N6	Neurodevelopmental Consequences of MSG: Amino Acid Profile Changes in Chick Embryo Brains	Self-funded (M.Sc. Dissertation)
7.	Dr. Shanti Dessai	GUZ/IAEC/2 3-24/N7	Assessing the Developmental Impact of Virgin Coconut Oil on Chick Embryo	Self-funded (M.Sc. Dissertation)
8.	Dr. Shanti Dessai	GUZ/IAEC/2 3-24/N8	In Ovo Exposure of Paracetamol: Investigating Changes in Vitelline Circulation of Chick Embryo	Self-funded (M.Sc. Dissertation)
9.	Dr. Shanti Dessai	GUZ/IAEC/2 3-24/N9	Karyological Investigations of Three Fishes from the Goan Aquatic Environment	Self-funded (M.Sc. Dissertation)
10.	Dr. Karingada Kochu Therisa Beena	GUZ/IAEC/2 3-24/N10	Seasonal study of bioindicator species of a molluscan and a crustacean from Zuari Estuary correlating with the pollution status of Goa	DBT
11.	Dr. Trupti Jadhav	GUZ/IAEC/2 3-24/N11	Freshwater Fish Diversity in Protected Areas of Goa	Goa State Forest Department
12.	Dr Bhakti Balkrishna Salgaonkar	GUZ/IAEC/ 23-24/R5	Development of a fish feed product prototype using prebiotics and vitamins supplement from non-pathogenic, gut-friendly <i>halophilic archaea</i>	DST-SERB
13.	Dr. Samantha Fernandes D'Mello	GUZ/IAEC/2 3-24/N12	Evaluating the toxicity and Immunomodulatory activity of a probiotic feed on <i>Litopenaeus vannamei</i> culture	Self-funded (M.Sc. Dissertation)
14.	Dr. Samantha Fernandes D'Mello	GUZ/IAEC/2 3-24/N13	Study of immunostimulants for <i>Xiphophorus helleri</i>	Self-funded (M.Sc. Dissertation)
15.	Ms. Dviti Mapari	GUZ/IAEC/2 3-24/N14	Bioactive molecules from the gut-associated microbiota of Grey	Self-funded (M.Sc. Dissertation)



			Mullet (Fish) from Goa	Dissertation)
16.	Ms. Dviti Mapari	GUZ/IAEC/2 3-24/N15	Studies of heavy metals accumulation on crustaceans from Goa	Self-funded (M.Sc. Dissertation)
17.	Dr. Avelyno D'Costa and Mr. Ankit Sinha	GUZ/IAEC/2 3-24/N16	In vivo toxicity studies of selected microplastics in tilapia ( <i>Oreochromis mossambicus</i> )	Self-funded (Ph.D. work)
18.	Dr. Avelyno D'Costa and Mrs. Shweta Moye	GUZ/IAEC/2 3-24/N17	In – Vivo Assessment of Chlorpyrifos and Microplastic toxicity in Mangrove clam, <i>Polymesoda erosa</i> (Solander, 1786)	Self-funded (Ph.D. work)
19.	Dr. Avelyno D'Costa	GUZ/IAEC/2 3-24/N18	Assessment of microplastic accumulation and toxicity in whiteleg shrimp ( <i>Litopenaeus vannamei</i> ) from sluice gates of harvest sites in North Goa (Marcaim, Cundaïm & Kumbharjua)	Self-funded (M.Sc. Dissertation)
20.	Dr. Avelyno D'Costa	GUZ/IAEC/2 3-24/N19	Toxicity of polyethylene microplastics in tilapia ( <i>Oreochromis mossambicus</i> )	Self-funded (M.Sc. Dissertation)
21.	Dr. Avelyno D'Costa	GUZ/IAEC/2 3-24/N20	In vivo toxicity of Polystyrene microplastics in Fresh Water Tilapia ( <i>Oreochromis mossambicus</i> )	Self-funded (M.Sc. Dissertation)
22.	Dr. Avelyno D'Costa	GUZ/IAEC/2 3-24/N21	Recuperative effect of the combined extracts of <i>Justicia adhatoda</i> , <i>Coleus amboinicus</i> and <i>Artemisia parviflora</i> in Tilapia ( <i>Oreochromis mossambicus</i> ) after sub-lethal exposure to Cadmium	Self-funded (M.Sc. Dissertation)
23.	Dr. Avelyno D'Costa	GUZ/IAEC/2 3-24/N22	Assessment of the toxicity of Cobalt oxide Nanoparticle (CoON) in the Estuarine clam <i>Paphia malabarica</i> , in vivo	Self-funded (M.Sc. Dissertation)
24.	Mrs. Santoshi Narvekar	GUZ/IAEC/2 3-24/N23	Fish muscle Protein Hydrolysate and its effects on the brain of Alzheimer's disease mouse model.	Self-funded (Ph.D. work)
25.	Ms. Sasha Viegas	GUZ/IAEC/2 3-24/N24	Optimization and Characterization of Shrimp Gill and Muscle cell cultures and their Validation for Virus Susceptibility and Toxicological Tests	Self-funded (Ph.D. work)
26.	Ms. Shreya Khorjuvekar	GUZ/IAEC/2 3-24/N25	Selected Autism Spectrum Disorder- Risk Gene Expression Studies with Behavioral, Acoustic and Histological Investigations in Embryo and Chicks of <i>Gallus gallus</i> .	Self-funded (Ph.D. work)

	Dr. Shamshad Shaikh and Mrs. Bhakti Dafale	GUZ/IAEC/2 3-24/N26	Establishment of cell culture from <i>Scylla olivacea</i> for pathogenic susceptibility screening.	Self-funded (Ph.D. work)
28.	Dr. Preeti Pereira	GUZ/IAEC/2 3-24/N27	Studies on sea anemones of Goan coast- potential of Secondary metabolites	Self-funded (M.Sc. Dissertation)
29.	Dr. Preeti Pereira	GUZ/IAEC/2 3-24/N28	Studies LWR and diet preferences of selected local fishes	Self-funded (M.Sc. Dissertation)
30.	Dr. Preeti Pereira	GUZ/IAEC/2 3-24/N29	Studies on Hermit crabs of Goan coast and their shell selection behavior	Self-funded (M.Sc. Dissertation)
31.	Dr. Preeti Periera	GUZ/IAEC/2 3-24/N30	Study on Aranae in Agro Ecosystem of Amona, Goa	Self-funded (M.Sc. Dissertation)
32.	Dr. Preeti Pereira	GUZ/IAEC/2 3-24/N31	Larvicidal potential of the secondary metabolites of Opisthobranchs	Self-funded (M.Sc. Dissertation)
33.	Dr. Preeti Pereira	GUZ/IAEC/2 3-24/N32	Studies on Barnacles along Goan Coast	Self-funded (M.Sc. Dissertation)
34.	Dr. Preeti Pereira	GUZ/IAEC/2 3-24/N33	Taxonomy, regional-scale diversity and geographical distribution of marine sponges (Phylum Porifera) from the West coast (Maharashtra, Goa and Karnataka) of India	SERB-TARE
35.	Ms. Gandhita Kundaikar	GUZ/IAEC/2 3-24/N34	Effect Of <i>Andrographis paniculata</i> on Colour Enhancement, Caudal Fin Regeneration in Guppy fish ( <i>Poecilia reticulata</i> )	Self-funded (M.Sc. Dissertation)
36.	Ms. Gandhita Kundaikar	GUZ/IAEC/2 3-24/N35	Dietary Analysis of Selected Plant-based Ingredients and their Effect on Growth and Biochemical Parameters of Economically Important Cultured Fish	Self-funded (Ph.D. work)
37.	Ms. Gandhita Kundaikar	GUZ/IAEC/2 3-24/N36	Stomach content analysis and some aspects of the reproductive biology of <i>Scylla serrata</i> from Borim, Goa	Self-funded (M.Sc. Dissertation)
38.	Ms. Gandhita Kundaikar	GUZ/IAEC/2 3-24/N37	Quality assessment of fish by sensory and biochemical methods.	Self-funded (M.Sc. Dissertation)
39.	Ms. Gandhita Kundaikar	GUZ/IAEC/2 3-24/N38	Analysis of histological, biochemical and antioxidant enzyme activity in <i>Oreochromis mossambicus</i> (Mozambique Tilapia) exposed to acute toxicity of anionic surfactant Sodium Lauryl Sulphate (SLS)	Self-funded (M.Sc. Dissertation)

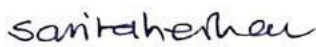


39.	Ms. Gandhita Kundaikar	GUZ/IAEC/2 3-24/N38	Analysis of histological, biochemical and antioxidant enzyme activity in <i>Oreochromis mossambicus</i> (Mozambique Tilapia) exposed to acute toxicity of anionic surfactant Sodium Lauryl Sulphate (SLS)	Self-funded (M.Sc. Dissertation)
40.	Ms. Gandhita Kundaikar	GUZ/IAEC/2 3-24/N39	Landings of Guitarfish at North Goa with some insights into its age reproductive and feeding biology	Self-funded (M.Sc. Dissertation)
41.	Dr. Nitin S. Sawant and Mr. Dipak Bowalkar	GUZ/IAEC/2 3-24/R1	Ecological studies of Anurans in few selected lateritic rocky outcrops along central Western Ghats in the State of Goa.	Self-Funded (Ph.D. work)
42.	Dr. Nitin S. Sawant and Mr. Mayur Mohan Gawas	GUZ/IAEC/2 3-24/R2	A Study on ecology of amphibians along the Western Ghats of Goa, India	Self-Funded (Ph. D. work)
43.	Dr. Nitin S. Sawant	GUZ/IAEC/2 3-24/R3	Diversity of Herpetofauna of Goa, Maharashtra and Karnataka.	MOES, GOI
44.	Dr. Nitin S. Sawant	GUZ/IAEC/2 3-24/N40	Impact of Climate Change on Ichthyofauna along the coastline of Goa, India.	GSBB, Goa, Goa, DSTE
45.	Dr. Nitin S. Sawant and Mr. Shubham Rane	GUZ/IAEC/2 3-24/R4	Ecology of genus <i>Nyctibatrachus</i> in the Western ghats region of Goa.	Self-Funded (Ph.D work)
46.	Dr. Nitin S. Sawant and Ms. Tanya Gosavi	GUZ/IAEC/2 3-24/N41	Host Plant Mediated Butterfly-plant interaction	Self-funded (M.Sc. Dissertation)
47.	Dr. Nitin S. Sawant and Vaishnavi Bharati	GUZ/IAEC/2 3-24/N42	A study on Eco-ethology of <i>Austruca annulipes</i> (H.Milne Edwards, 1837) from Goa, India	Self-funded (M.Sc. Dissertation )
48.	Mr. Mouvin Fernandes	GUZ/IAEC/2 3-24/N43	Plastic in Sea Food/ A case study	Self funded


- CCSEA members raised some queries regarding the number of mice to be used by Dr. Avelyno D'Costa, who later provided the breakup for each test and the members were satisfied. He was permitted to use 15 mice for nano studies, 15 for toxicity evaluation and 30 for geno and neurotoxic studies
- CCSEA members approved the use of fish % specimens of 4 different species for Mrs. Santoshi Narvekar to prepare the hydrosylates but not the experiments on mice at the moment for which she would apply for the following year.
- CCSEA members suggested to Dr. Preeti Pereira to reduce the number of Sea anemones from 30 to 25 specimens.

- Ms Sasha Viegas proposed to use 125 *P. monodon* and *P. vannami*, however she was permitted to use 25 of each species.
- Ms Gandhita was permitted to use 40 guppies for her experiment and 50 Mackerels and 50 shrimps.
- Rest of the project proposals were approved as presented and mentioned in the proposals.

AOB: The Member Secretary informed the members that the main nominee, Dr Chandrashekar K was not cooperative and was not available to hold the meeting of the IAEC and was very rude during telephonic conversation. Therefore his authoritative approach was so stressful to schedule the meeting. The situation was that there were 48 proposals which include the work of dissertation as a part of successful completion of post graduate degree as well as PhD and R&D projects. Additionally the chairperson (VC) was going out of the country for a fortnight. Hence, inspite of explaining all the above the main nominee was non cooperative. However, the link-nominee, Dr Indrajeet Gonjari was later kind enough to be present online and thus the meeting could be scheduled and needful could be done. The members thus felt that there was a need to change the Main Nominee as he was not cooperative, rude in his behavior and inordinate delay in attending all the previous meetings. Thereafter he arrived after most of the proposals were already presented. The meeting ended with vote of thanks to the chair.



Member Secretary (IAEC)

  
CCSEA link Nominee

  
Chairperson (IAEC)

Goa University

## Minutes of (7<sup>th</sup> Meeting)... IAEC Meeting

Name and address of establishment: Goa University

Registration number of establishment: 2104/GO/Re/S/20/CPCSEA date 10/08/2020

Date and Time of the IAEC Meeting: 23/7/2024 at 5.00 hrs

Venue: Vice Chancellors meeting Room Goa University

### Minutes of the Meeting:

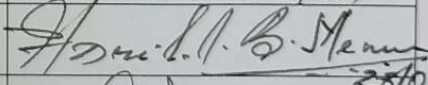
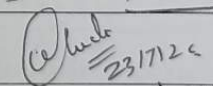
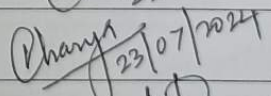
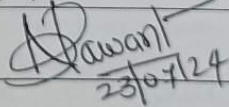

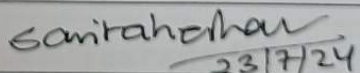
The Chairperson welcomed all the members of internal IAEC

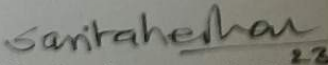
As per the agenda of the meeting 'Reconstitution of the Member Secretary' the Chairperson recommended Prof S. Krishnan, Senior Professor of Botany and Vice Dean of SBSB, Goa University to be the new member secretary for IAEC, Goa University, as the current Member Secretary Prof. Savita Kerkar is superannuating by 31/07/2024.

All the other members gave their consent for the same.

The meeting ended with vote of thanks by Chairperson.

### Attendance Sheet of the IAEC Members present in the meeting:


S. No.	Name	Designation in IAEC	Signature with Date (The Minutes should be signed with ink. Scanned signature and date shall not be accepted.)
1.	Dr. Harilal B. Menon	Chairperson	 23/07
2.	Dr. Sanjeev Ghadi	Scientist from different biological Discipline	 23/07/24
3.	Dr. Lakshangy Charya	Scientist from different biological Discipline	 23/07/2024
4.	Dr. Nitin Sawant	Scientist Incharge of Animal House	 23/07/24
5.	Dr. Gustavo Pinto	Veterinarian	
6.	Dr. Savita Kerkar	Biological Scientist (Member Secretary)	 23/7/24

  
Member Secretary (IAEC) 23/7/24

  
Chairperson (IAEC) 23/07



**Bio-data and consent format for  
Members of the Institutional Animal Ethics Committee**

<b>Name:</b> Prof. S. Krishnan		<b>Gender:</b> Male	
<b>Date of Birth (dd/mm/yy):</b> 19. 06. 1966		<b>Age as on Date:</b> 58	
<b>Corresponding address:</b> Prof. S. Krishnan Senior Professor & Vice-Dean (Research) School of Biological Sciences and Biotechnology Goa University, Goa - 403 206, India			
<b>Telephone (Office):</b> +91-8669609228		<b>Mobile:</b> 09423883072/ 07028023072	
<b>Telephone Residence:</b> Nil		<b>E-mail:</b> skrish@unigoa.ac.in	
<b>Academic Qualifications (Most Current qualification first)</b>			
<b>Degree/Certificate</b>	<b>Subject</b>	<b>Year</b>	<b>Institution/ Country</b>
Ph.D.	Botany	1997	Madras Christian College, University of Madras, Chennai, India
M.Phil.	Botany	1990	Madras Christian College, University of Madras, Chennai, India
M.Sc.	Botany	1989	Madras Christian College, University of Madras, Chennai, India
B.Sc.	Botany	1987	Govt. Arts College, Krishnagiri, Tamil Nadu, India
<b>Professional Experience (Including current institution name):</b>			
<b>Duration [Years/Months/Days]</b>	<b>Title</b>	<b>Institution/Company, Country</b>	
27 <sup>th</sup> May 2022 to till date (2 years and two months)	Vice-Dean (Research), School of Biological Sciences and Biotechnology	Goa University	
08 <sup>th</sup> January 2022 onwards (2 years and six months)	Senior Professor of Botany	Goa University	
06 May 2020 to 26 <sup>th</sup> May 2022 (2 years)	Professor & Head, Department of Botany	Goa University	
08 January 2012 to 07 January 2022 (10 years)	Professor	Goa University	
08 January 2009 to 07 January 2012 (3 years)	Associate Professor	Goa University	
08 January 2005 to 07 January 2009 (4 years)	Senior Lecturer	Goa University	
08 January 1997 to 07 January 2005 (8 years)	Lecturer	Goa University	
<b>Experience in Animal Handling/ Research:</b> Nil			
<b>Consent:</b>			
I hereby give my consent to be the member of the IAEC of Goa University.			
I undertake to follow all the rules and guidelines of the CPCSEA.			
<b>Signature:</b> 			
<b>Date:</b> 24.07.2024			

### Minutes of (9<sup>th</sup>) ....IAEC Meeting

**Name and address of establishment:** Goa University, Taleigao Plateau, Goa

**Registration number of establishment:** 2104 /Re /S /20 /CPCSEA

**Date and Time of the IAEC Meeting:** 2<sup>nd</sup> September 2024

**Venue:** Goa University

#### Minutes of the Meeting:

The Chairman welcomed all the members of the committee.

As per the agenda of the meeting twenty new proposals were scrutinized during the meeting and discussed among the members. CCSEA and other IAEC members deliberated on all the proposals and accordingly decision was taken.

#### Decision/ Recommendation of IAEC on New Research Protocols:

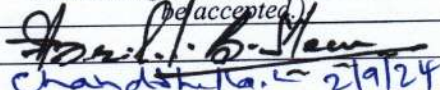
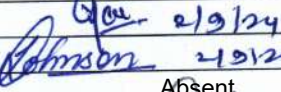
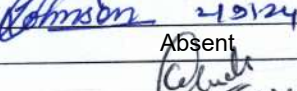
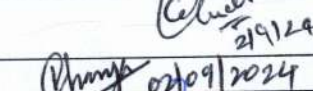



Sr. No.	Title of the Protocol	Protocol No.	Species proposed	Total Housing capacity for Species proposed	Number of animals proposed	Number of animals recommended by IAEC	Approved / Rejected/ Deferred / Any other remark/ Observation of IAEC
1.	Effect of Sargassum on the growth and biochemical parameters of <i>Oreochromis mossambicus</i> (Mozambique Tilapia)	GUZ/IAEC/24/N1	<i>Oreochromis mossambicus</i>	300	72	72	Approved
2	A short –term study to understand the effect of selected abiotic factors on the diversity of freshwater fishes of the Valvanti River,Goa	GUZ/IAEC/24/N2	<i>Pisces</i>	200	6 individuals from each species	6 individuals from each species	Approved It is diversity based study
3	Autism Spectrum Disorder-Risk Gene Expression Dynamics in Brain and Blood of Gallus gallus	GUZ/IAEC/24/N3	<i>Fertilized Chicken eggs</i>	300	60	60	Approved
4	Evaluation of <i>Glycyrrhiza glabra</i> in improving neuropathological response in Alzheimer's diseases roden model	GUZ/IAEC/24/N4	<i>Rattus norvegicus, Wistar Albion rat</i>	150	104	104	Approved
5	Fish muscle protein Hydrolysate and its effects on the brain of Alzheimer's disease mouse model	GUZ/IAEC/24/N5	<i>Mus musculus and C57BL/6J</i>	200	24 each	24 each	Approved
6	Cell culture system from <i>Litopenaeus vannamei</i> : development ,pathological and toxicology evaluation	GUZ/IAEC/24/N6	<i>Litopenaeus vannamei (White leg shrimp)</i>	100	25	25	Approved

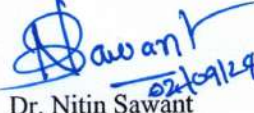


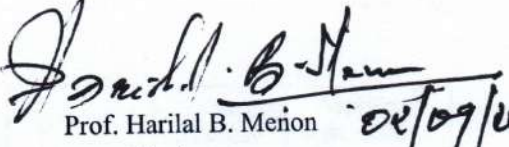
7	Establishment of cell culture from <i>Scylla olivacea</i> for pathogenic susceptibility screening	GUZ/IAEC/24/N7	<i>Scylla olivacea</i>	50	15	15	Approved
8	Development of primary Cell cultures from <i>Sardinella longiceps</i> and <i>Mugli cephalus</i>	GUZ/IAEC/24/N8	<i>Sardinella longiceps</i> and <i>Mugli cephalus</i>	NA	12 each	12 each	Approved
9	Neem leaf extracts in mitigating the toxic effects of Magnesium oxide nanoparticles in Mice	GUZ/IAEC/24/N9	<i>Mouse (Mus musculus)</i>	200	41	41	Approved
10	Ameleioative effect of curry leaves and Pomegranate Peel on Cadmium induced toxicity in <i>Meretrix casta</i>	GUZ/IAEC/24/N10	<i>Meretrix casta</i>	200	66	66	Approved
11	Protective effects of <i>Crossandra influndibuliformis</i> against cadmium Oxide Nanoparticle Toxicity	GUZ/IAEC/24/N11	<i>Swiss Albino mice</i>	200	41	41	Approved
12	Assessment of hexavalent Chromium in Clams	GUZ/IAEC/24/N12	<i>Paphia malabarica/ Memetrix casta</i>	100	50	50	Approved
13	Evaluating Cucumin as a Mitigant for Cadmium Exposure in <i>Oreochromis mossambicus</i> : Comparative Analysis of Pre-Exposure, Concurrent and post – Exposure Administration	GUZ/IAEC/24/N13	<i>Oreochromis mossambicus</i>	300	60	60	Approved
14	In vitro toxicity studies of selected microplastics in tilapias ( <i>Oreochromis mossambicus</i> )	GUZ/IAEC/24/N14	<i>Oreochromis mossambicus</i>	300	112	112	Approved
15	To Assess PVC microplastic Toxicity in <i>Tilapia (O. mossambicus)</i>	GUZ/IAEC/24/N15	<i>Oreochromis mossambicus</i>	300	60	60	Approved
16	Combination effects of Bisphenol A and microplastic on tilapia ( <i>Oreochromis mossambicus</i> )	GUZ/IAEC/24/N16	<i>Oreochromis mossambicus/ oreochromis niloticus</i>		60	60	Approved
17	Ecological studies of Anurans in few selected lateritic rocky outcrops along central western Ghats in the states of Goa	GUZ/IAEC/24/N17	<i>Anurans</i>	50	NA	NA	Approved It is field based study
18	Undertaking the spatial and functional dimesions of Epigeal spide community ( <i>Arachnida – Araneae</i> ) across elevation gradients of Western Ghats,Goa	GUZ/IAEC/24/N18	<i>Arachnida – Araneae (Epigeal spiders)</i>	100	50	50	Approved It is field based study
19	Ecology of genus <i>Nyctibatrachus</i> in the Western Ghats region of Goa	GUZ/IAEC/24/N19	<i>Nyctibatrachus species</i>	50	Maximum three specimens per population	Maximum three specimens per population	Approved It is field based study
20	A Study on ecology of amphibians along the Western Ghats of Goa,India.	GUZ/IAEC/24/N20	All terrestrial amphibians within the study area	NA	3 male and 3 female of each species	3 male and 3 female of each species	Approved It is field based study

Meeting ended with the vote of thanks by Member Secretary.

**Attendance Sheet of the IAEC Members present in the meeting:**

S.No.	Na me	Designation in IAEC	Signature with Date (The Minutes should be signed with ink. Scanned signature and date shall not be accepted.)
1	Prof. Harilal.B.Menon	Chairman	 Harilal B. Menon 21/9/24
2	Prof. K. Chandrashekar	Main Nominee	Absent
3	Dr. Indrajeet D.Gonjari	Link Nominee	Absent
4	Shri. Vishnu A Kangralkar	Scientist from outside the institute	 Vishnu A Kangralkar 21/9/24
5	Mr. Johnson Stephen	Socially Aware Nominee	 Johnson Stephen 21/9/24
6	Dr. Gustavo Pinto	Veterinarian	Absent
7	Prof. Sanjeev Ghadi	Scientist from different biological discipline	 Sanjeev Ghadi 21/9/24
8	Dr. Lakshangi Charya	Scientist from different discipline	 Lakshangi Charya 21/9/2024
9	Dr. Shamshad Bi M. Shaikh	Scientist In-charge of Animal House Facility	 Shamshad Bi M. Shaikh 21/9/2024
10	Dr. Nitin Sawant	Biological Scientist, Member Secretary	 Nitin Sawant 02/09/24

  
Dr. Nitin Sawant  
Member Secretary

  
Prof. Harilal B. Menon  
Chairman



During the IAEC Meeting (2<sup>nd</sup> September 2024)



Taleigao, Goa, India  
FR5M+HJ9, Goa University, Taleigao, Santa Cruz, Goa 403206, India  
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Long 73.834268°  
02/09/24 11:07 AM GMT +05:30

GPS Map Camera

## Meeting followed by Visit to Animal House









## Minutes of (X<sup>th</sup> Meeting) IAEC Meeting

Name and address of establishment: Goa University

Registration number of establishment: 2104 /Re /S /20 /CPCSEA

Date and Time of the IAEC Meeting: 27<sup>th</sup> September 2024

Venue: Goa University

### Minutes of the Meeting:

The Chairman welcomed all the members of the Committee

As per the agenda of the meeting twenty-three new protocols were reviewed and discussed by the members. The CPCSEA and other IAEC members deliberated on each proposal, leading to informed decisions.

Dr. Chandrashekar expressed a concern regarding the inclusion of proposals related to fish, while other members felt that discussing these proposals could be beneficial. Dr. Indrajeet suggested that the discussions could help inform a more thoughtful decision.

Dr. Chandashekar requested the veterinarian's opinion on proposals numbered 3, 4, 6, 7, and 8. The said protocols were placed before Dr. Gustav Pinto, after examining the veterinarian, provided consent and approval for these proposals.

Regarding Proposal No. 11, which pertained to a workshop, Dr. Chandashekar advised that a veterinarian should be present during the handling of animals by participants to ensure precautionary measures are taken. Dr. Pinto agreed with this recommendation.

During the discussion of proposals Serial Number 17, 18, 19, and 20, Dr. Nitin, the Member Secretary, recused himself, as there were protocols pertaining to students working with his guidance. Dr. Chandashekar raised concerns about proposals 18 and 19, which involved insects and spiders, emphasizing the need for proper training for students and the provision of precautionary medication, as advised by the veterinarian. Dr. Pinto clarified that no injections are necessary for handling spiders and insects.

Dr. Nitin Sawant confirmed his commitment to providing proper training and overseeing the handling of animals by students. Ultimately, all proposals were approved as presented.

### Decision/ Recommendation of IAEC on New Research Protocols:

S.No.	Title of the Protocol	Protocol No.	Species proposed	Total Housing capacity for Species proposed	Number of animals proposed	Number of animals recommended by IAEC	Approved / Rejected/ Deferred / Any other remark/ observation of IAEC
1.	Dietary Analysis of Selected Plant-based ingredients and their	GUZ/IAEC/24/N2 1	( <i>Etrophus suratensis</i> ) (Pearl Spot)	200	180	180	Approved

	effect on Growth and Biochemical Parameters of Pearl Spot ( <i>Etroplus suratensis</i> )						
2	Comparative Study of Malachite Green and Beetroot Dye on Histological Changes and Antioxidant Enzyme Activity in Freshwater Ornamental Fish.	GUZ/IAEC/24/N2 2	<i>Haludaria fasciata</i> (Melon barb)	200	70	70	Approved
3	Swarnaprashan, an Ayurvedic Herbometalloformulation effects in chick embryo	GUZ/IAEC/24/N2 3	<i>Gallus gallus</i>	300	30	30	Approved
4	Investigating the impact of Ondansetron on Chick Embryo Brain Development	GUZ/IAEC/24/N2 4	<i>Gallus gallus</i>	300	54	54	Approved
5	Primary Cell Culture of <i>Polymesoda erosa</i> (Mud clam/Mangrove clam) mantle cells	GUZ/IAEC/24/N2 5	<i>Polymesoda erosa</i>	200	10	10	Approved
6	Smartphone –Electromagnetic Field effects on chick embryo brain	GUZ/IAEC/24/N2 6	<i>Gallus gallus</i>	300	30	30	Approved
7	Neurodevelopmental Consequences of Cadmium on the brain of the chick Embryo	GUZ/IAEC/24/N2 7	<i>Gallus gallus</i>	300	42	42	Approved
8	Comparative evaluation of Anti-angiogenic properties of Vit B6 and Quercetin using Chick embryo	GUZ/IAEC/24/N2 8	<i>Gallus gallus</i>	300	60	60	Approved
9	Synthesis of Green Nanostructures and Evaluation of their Hepatoprotective Potential	GUZ/IAEC/24/N2 9	<i>Mus musculus</i>	200	144	144	Approved
10	Effects of crude extract from Soursop fruit pulp on neural development of chick embryo	GUZ/IAEC/24/N3 0	Fertilized chicken eggs of <i>Gallus gallus</i>	300	90	90	Approved
11	Workshop on Animal Ethics, Hands-On Animal Handling, and	GUZ/IAEC/24/N3 1	<i>I. Mus Musculus</i> (Mice),	200	1. 03	1. 03	Approved

	Practical Techniques		2. <i>Oreochromis mossambicus</i> (fish), 3. <i>Meretrix casta</i> (Bivalve)	300 200	2. 05 3. 05	2. 05 3. 05	
12	In-Vivo Assessment of Chlorpyrifos and microplastic toxicity in Mangrove clam <i>Polymesoda erosa</i> (Solander, 1786)	GUZ/IAEC/24/N3 2	<i>Polymesoda erosa</i>	200	100	100	Approved
13	Toxicological evaluation of <i>Rastrelliger Kanagurta</i> and <i>Penaeus indicus</i> sold in the local markets of North and south Goa	GUZ/IAEC/24/N3 3	<i>Rastrelliger Kanagurta</i>  <i>Penaeus indicus</i>	200 200	180 180	180 180	Approved
14	A study on the toxic effects and natural detoxification of Diammonium phosphate fertilizer in Mozambique tilapia <i>Oreochromis mossambicus</i>	GUZ/IAEC/24/N3 4	<i>Oreochromis mossambicus</i>	300	90	90	Approved
15	Anatomy and Histology of dead birds found opportunistically.	GUZ/IAEC/24/N3 5	<i>Bird species (two or three) found opportunistically</i>	30	2-3	2-3	Approved
16	Studies On the distribution of Microplastics and Associated Bacterial Communities in selected marine Habitats	GUZ/IAEC/24/N3 6	<i>Green mussel (Perna viridis),</i>  <i>Clam (Meretrix casta),</i>  <i>clam (Paphia malabarica)</i>	200 200 200	120 120 120	120 120 120	Approved
17	Study of the Nesting Biology & Architecture of Potter wasp & Mud dauber (mudnest)	GUZ/IAEC/24/N3 7	<i>Potterwasp species and mud dauber species</i>	NA	80	80	Approved It is field based study
18	To study Community Ecology and diversity of <i>Odonata</i> (Insecta) in Nanda Lake, Goa, India.	GUZ/IAEC/24/N3 8	<i>Odonates</i>	NA	80	80	Approved It is field based study
19	Exploring arachnids Diversity, Predation Behaviour and Web Architecture	GUZ/IAEC/24/N3 9	spiders	NA	108	108	Approved It is field based study




20	Study of anurans in agroecosystem using functional trait diversity and bioacoustics	GUZ/IAEC/24/N4 0	<i>Anurans</i>	NA	Max 5/ species/trans act/samplin g	Max 5/ species/trans act/sampling	Approved It is field based study
21	A study on the diversity, taxonomy and swimming behaviour of Goan ants (Hymenoptera: Formicidae).	GUZ/IAEC/24/N4 1	<i>Ants</i>	NA	2500	2500	Approved
22	Studies on the Mangrove associated gastropods at selected sites in Goa.	GUZ/IAEC/24/N4 2	<i>Gastropods</i>	NA	80	80	Approved
23	Study of Sea Anemones on The Goan Coast - Assessment of Its Aquarium Potential	GUZ/IAEC/24/N4 3	<i>Sea anemones</i>	100	56	56	Approved

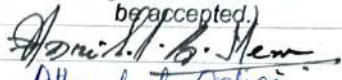
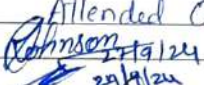




When the Chairperson asked any matter under AOB, Dr. Chandrasekhar proposed establishing a Memorandum of Understanding (MOU) with ICAR, ELA Old Goa, as most animals are sourced from there, the same was agreed

The meeting concluded with a vote of thanks by the Member Secretary.

  
Dr. Nitin Sawant  
Member Secretary

  
Prof. Harilal B. Menon  
Chairperson 29/10/2024

## Attendance Sheet of the IAEC Members present in the meeting:

S.No.	Name	Designation in IAEC	Signature with Date (The Minutes should be signed with ink. Scanned signature and date shall not be accepted.)
1	Prof. Harilal. B. Menon	Chairman	
2	Prof. K. Chandrashekar	Main Nominee	Attended Online
3	Dr. Indrajeet D. Gonjari	Link Nominee	Attended Online
4	Shri Vishnu A Kangralkar	Scientist from outside the institute	Attended Online
5	Mr Johnson Stephen	Socially Aware Nominee	
6	Dr. Gustavo Pinto	Veterinarian	27/9/24
7	Dr. Sanjeev Ghadi	Scientist from different biological discipline	
8	Dr. Lakshangi Charya	Scientist from a different discipline	
9	Dr. Shamshad Bi M. Shaikh	Scientist In-charge of Animal House Facility	
10	Dr. Nitin Sawant	Biological Scientist, Member Secretary	



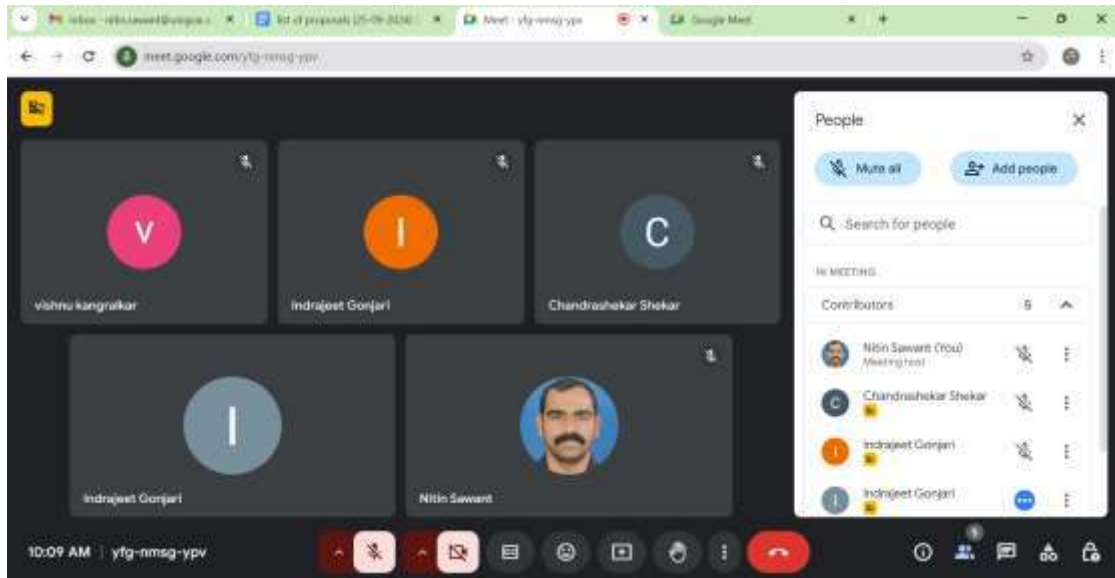
Dr. Nitin Sawant  
Member Secretary



Prof. Harilal B. Menon  
Chairperson









Nitin Sawant &lt;nitin.sawant@unigoa.ac.in&gt;

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## Regarding IAEC recommendations

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**INDRAJEET GONJARI** <igonjari@gmail.com>  
To: Nitin Sawant <nitin.sawant@unigoa.ac.in>

Tue, Oct 8, 2024 at 7:29 AM

Sir,

As per the discussion and deliberation in regards to all the protocols placed before the committee members I recommend the proposal for approval.

Thank You and Regards

Dr. I. D. Gonjari

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Nitin Sawant <nitin.sawant@unigoa.ac.in>

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## Reg. recommendation of IAEC meeting

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**Chandru Drchandruk** <drchandruksetty@gmail.com>  
To: nitin.sawant@unigoa.ac.in

Fri, Oct 4, 2024 at 8:37 AM

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

From: **Chandru Drchandruk** <drchandruksetty@gmail.com>  
Date: Tue, 1 Oct 2024 at 15:46  
Subject: Re: Reg. recommendation of IAEC meeting  
To: vishnu kangralkar <vishnukangralkar@gmail.com>

Respect sir laec meeting offline 27 and 19 hybrid mode September all the protocol of thesis / dissertation/ Phd are approved

[Quoted text hidden]



Nitin Sawant <nitin.sawant@unigoa.ac.in>

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## Reg. recommendation of IAEC meeting

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**vishnu kangralkar** <vishnukangralkar@gmail.com>  
To: Nitin Sawant <nitin.sawant@unigoa.ac.in>  
Cc: Chandru Drchandruk <drchandruksetty@gmail.com>

Tue, Oct 1, 2024 at 4:13 PM

Sir,  
As per the IAEC meeting conducted on 27 Sept 2024, I recommend all the projects which were brought in front of the committee from my side.  
With regards,  
Dr. Vishnu