

Matsya-Amrutika

मत्स्य-अमृतिका

2023



Post Graduate School Students Union (PGSSU)
ICAR-Central Institute of Fisheries Education

(University under Sec.3 of UGC act 1956)

Indian Council of Agricultural Research

Panch Marg, Off Yari Road, Versova, Andheri(W), Mumbai - 400 061



MATSYA AMRUTIKA

2023

MATSYA AMRUTIKA 2023

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March, 2023.



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FOREWORD

I am happy to know that the Post Graduate School Student Union (PGSSU) of ICAR-Central Institute of Fisheries Education (CIFE), Mumbai is bringing out an Annual Magazine titled "*Matsya Amrutika*" with the support and guidance of faculty of ICAR-CIFE, which I proposed to be released during the 4th Students' Convention on 21st March 2023.

I am given to understand that the Magazine will contain information about student events, academic advice, career tips, sports, cultural, musical and literary activities, festivals, annual fests, inter-institute competitions, science fairs and art competitions, and serve as a platform for the students, faculty and staff to showcase their immense talent and express their thoughts, feelings and insights. This magazine will provide a workbench for students, and faculty to interconnect with each other beyond the confines of the classroom and regular curriculum.

I am sure that the information available in this Magazine shall be entertaining, engrossing, and interesting to all ICAR-CIFE students and staff. This is expected to provide an opportunity for showcasing their creative activities and help in developing academic, research, extracurricular excellence and leadership quality.


16/3/2023
(J.K. Jena)



भारतीय कृषि अनुसंधान परिषद

भा.कृ.अनु.प.-केन्द्रीय मात्स्यिकी शिक्षा संस्थान, मुंबई

(वि.अ.आ. अधिनियम धारा-३ के अंतर्गत विश्वविद्यालय)

ICAR - CENTRAL INSTITUTE OF FISHERIES EDUCATION

(University under Sec.3 of UGC Act)

कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार, Ministry of Agriculture and Farmers Welfare, Govt. of India



डा. रविशंकर सी.एन.

सद्वेशक/कुलपती

Dr. Ravishankar C.N.

Director/Vice Chancellor



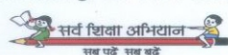
FOREWORD

I am very much pleased to write this foreword and greet the team of Post Graduate Students Union (PGSSU) of ICAR-CIFE for publishing this student magazine ***"Matsya-Amrutika"***. I believe deeply in the value of interpretive discussions and writings, especially in a democratic society. Postgraduate students at every level and stage of their career can enrich and strengthen their talent by learning and discussing with leading patterns and practices presented in this magazine. The magazine ***"Matsya-Amrutika"*** will certainly boost the talent of students and faculty staff through academic advice, sports, cultural, musical and literary, festivals, annual fests, inter-institute competitions, science fairs, art competitions by conceptualizing the intellect and thoughts of all students faculty and staff of ICAR-CIFE to give better quality leadership and greater heights to the sector and nation. It makes us reflect on the past and form new ideas. It is a platform for recording and cherishing the moments of both staff and students, as well as for developing literary talents and creativity to showcase their immense talent and express their insights. It will provide a workbench for students and faculty staff to interconnect with each other beyond the confines of the classroom and regular curriculum. May this magazine serve as a source of learning and a step forward in achieving appropriate goals by inspiring creative minds for a better future!

I extend my hearty congratulations and best wishes to the PGSSU and entire team of ICAR-CIFE for publishing this annual magazine on the occasion of the Students' Convention 2023.

(Ravishankar C.N.)

March 18, 2023





भारतीय कृषि अनुसंधान परिषद

भा.कृ.अनु.प.-केन्द्रीय मात्स्यिकी शिक्षा संस्थान, मुंबई

(वि.अ.आ. अधिनियम धारा-३ के अंतर्गत विश्वविद्यालय)

ICAR - CENTRAL INSTITUTE OF FISHERIES EDUCATION

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कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार, Ministry of Agriculture and Farmers Welfare, Govt. of India



Dr. N. P. SAHU
Joint Director



FOREWORD

I am delighted to know that ICAR-CIFE Post-Graduate School Student Union (PGSSU) is publishing an annual magazine "**Matsya-Amrutika**" with the support and guidance of our faculties which will be released during the 4th Student Convention scheduled on 21.3.2023. As 65% of our population belongs to youth, these mass will lead the country for the coming years. This magazine will provide an excellent opportunity to our young students to reflect their innovative ideas, round the year student events, academic advice and career tips, sports, cultural, musical and literary activities, festivals, annual fests, inter-institute competitions, science fairs, art competitions and serve to showcase their immense talent, thoughts, feelings and insights. It will also provide a workbench for the students, and faculty and staffs to interconnect with each other beyond the regular curriculum. Information presented in this magazine shall be surely entertaining, engrossing, and interesting to all ICAR-CIFE students and staff for their creative activities for developing world-class quality leadership.

I warmly extend my heartiest congratulations and best wishes to the Post-Graduate School Students Union (PGSSU) and the entire team of ICAR-CIFE for publishing the magazine "**Matsya -Amrutika-2023**"

Date 16/03/2023

(N. P. Sahu)



ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION

(ICAR, Deemed University)
Panch Marg, Off Yari Road, Versova, Andheri West,
Mumbai, Maharashtra 400061



Dr Swadesh Prakash
Dean (Student Welfare)
ICAR-CIFE, Mumbai

Date: 16th March, 2023



FOREWORD

I am delighted that the Post Graduate School Students Union (PGSSU) of ICAR-CIFE is publishing "Matsya-Amrutika". 2023 annual magazine to inspire the creative minds of students, faculty and staff. A magazine is a documentation of records of the academia of an institute and reveals the genius creativity of the students. As we march ahead inspiring creative minds, may we create fertile ground for a wholesome better world. Over a long and fruitful career, the student Magazine "Matsya-Amrutika" will explore the practices of interpretive discussion through dynamic events of academic advice, sports, cultural, musical and literary activities, festivals, annual fests, inter-institute competitions, science fairs, art competitions by conceptualizing the intellect of students, faculty and staff of ICAR-CIFE to give quality leadership and greater heights to the sector and nation. It is a platform for recording and cherishing the moments of both staff and students, as well as for developing literary talents and creativity. Matsya-Amrutika will showcase their immense talent and express the thoughts, feelings and insights of students, faculty and staff of ICAR-CIFE. It will provide a workbench to interconnect with each other beyond the confines of the classroom and regular curriculum. May this magazine serve as a source of learning and a step forward in achieving goals of a better world as we poise ourselves for the future with renewed strength and confidence."

Let us 'SEARCH FOR EXCELLENCE' as we progress by leaps and bounds in all spheres of life towards a brighter future. I convey my hearty congratulations and best wishes to the Post Graduate School Students Union (PGSSU) and ICAR-CIFE family for its grand success.

Date: 16th March 2023

(Swadesh Prakash)



POST GRADUATE SCHOOL STUDENTS UNION

ICAR-Central Institute of Fisheries Education

(Deemed University- Indian Council of Agricultural Research)

Mumbai - India



Website: www.cife.edu.in

Email: pgssu@cife.edu.in

Dear readers,



I'm delighted to present our student magazine 'Matsya Amrutika' which is an outcome of sheer hard work of persuasive people of our CIFE pariwar.

I feel extremely proud to say that students and research scholars in our university are aware of current issues and also about the rich literary and cultural legacy we all inherit from our forefathers. And above this they are even very expressive which would induce assertive responses in readers. This magazine beholds some amazing literary work which includes poems, stories, stories on CIFE hostel life, also some fine arts and photography, which are as wonderful as our students over here. I hope that the magazine would be a motivation for the contributors and as well as the readers to do more wonderful works in the future.

I extend my heartfelt gratitude to our Honourable Director and Vice-chancellor Dr. Ravishankar C N for his support and guidance during the magazine preparation. I would like to profusely thank our Honourable Joint Director Dr. N. P. Sahoo for his encouragement and guidance.

I would like to express my sincere gratitude to our Dean Students Welfare Dr. Swadesh Prakash and Asso. Dean Students Welfare Dr. Asha Landge for always supporting us throughout our union time period.

I, as the President of PGSSU extend my warm regards to all the members of CIFE parivar for their contribution to make the magazine glorious and engrossing. My special thanks to all the contributors, who came up with innovative ideas and brought colours to the magazine. I'm also thankful to all the PGSSU office bearers for their efforts in bringing the magazine in a systematic way.

I also thank the members of Editorial board for their valuable suggestions to make this piece of work wonderful on a literary front. I extend my regards to all the students, faculty and staff members for keeping their spirits up not only in research work but also in fine arts and literary works.

Happy reading!

Arpit Acharya

President, PGSSU

ICAR-CIFE



POST GRADUATE SCHOOL STUDENTS UNION

ICAR-Central Institute of Fisheries Education

(Deemed University- Indian Council of Agricultural Research)

Mumbai - India



Website: www.cife.edu.in

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Message from the Chief Editors



"The sole purpose of 'Matsya Amrutika' is to create a bouquet of creative works from the talented students of CIFE. It aims to document all the annual events conducted by the PGSSU and serve as a beautiful memory that will be cherished in the future. Furthermore, it highlights the glorious achievements of many CIFEans, which are expected to provide a ray of motivation for all the readers.

"This magazine starts by taking us back to the memory lane by highlighting the events conducted by the PGSSU that were enjoyed wholeheartedly by everyone. Next, two chapters comprise a collection of beautiful poems and essays put in black and white by our logophilic students, which are followed by a collection of surreal paintings and sketches. Many CIFEans have magnificent talent for photography, which has been highlighted in the photo montage of this magazine. The latter part of this magazine showcases the glorious achievements of the students, including those who have newly qualified for ARS, national and international awardees, and illustrious publications. Lastly, a report on the activities of the All India Agricultural Students Association (AIASA-Fisheries Chapter) has been presented.

"We express our deepest gratitude to all the students whose valuable works greatly facilitated in the creation of 'Matsya Amrutika'. We would also like to express our sincere appreciation to the Director of ICAR-CIFE and the Dean Student Welfare (DSW) for their unwavering support towards the success of this magazine.

Abhilash Thapa

Abhijit Mallik

Table of Contents

SI NO		Pg no
I.	Introducing PGSSU 2022-23 Member	1
II.	Events with PGSSU	2-10
III.	Poetries	11-19
IV.	Essays	20-24
V.	Art Gallery	25-30
VI.	Photo Montage	31-39
VII.	CIFEans Hall of Flame	40-48
VIII.	Illustrious Publication	49-52
IX.	Report on AIASA	53-54

Introducing PGSSU 2022-23 Members



Mr. Arpit Acharya
President



Ms. Naila Majid Bhat
Vice-president I



Mr. Abhijit Mallik
General Secretary



Finance Secretary
Mr. Shyam Waghmare



Mr. Abhilash Thapa
Acad Coun. Rep. I/
Boys Hostel Rep.



Ms. Chandani Dave
Academic Council
Representative II



Mr. Shubham Soni
Cultural Secretary I



Ms. Dhruti Kotadiya
Cultural Secretary II



Mr. Bhautik Savaliya
Sports Secretary-I



Ms. Arpitha N
Sports Secretary-II



Mr. Kamlesh Kumar
Boys' Hostel Representative



Mr. Darshan Pawaskar
Boys' Hostel Representative



Ms. Chandana Dinkar
Girls' Hostel Representatives



Ms. Rishika M S
Girls' Hostel Representatives



Mr. Ramjanul
Haque
Ex. Aca. Coun.
Rep.



Mr. Vineeth P
Ex. Vice Pres. II



Mr. Ravi Chovatia
Ex. Boys Host.
Rep.



Ms. Ashmita
Girls' Hostel Rep.



Ms. Shamika Sawant
Ex. Library Secr.



Ms. Sandhiya V.



Ms. Meenatchi S.



Ms. Amrita Mohanty
Ex. Girls' Hostel Representatives



EVENTS WITH PGSSU

Uniting for Progress: The PGSSU Election of 2022-2023

A good student union plays a vital role in fostering a positive and supportive academic environment for students. It serves as a platform for students to voice their concerns, ideas, and suggestions to the university administration, faculty, and staff. PGSSU is student-led, transparent, and inclusive union it ensures that all students are heard, represented, and treated fairly. Mission, goals, and values of the PGSSU are aligning with the needs and interests of the student body. The new PGSSU for the year 2022-23 was registered with the university on the date of 25th March 2022 in presence of the university officials.



Each member of the union involved in the planning process to ensure that the student union reflects the diverse perspectives and needs of the student community. It has offered various services, such as organizing extracurricular activities, promoting diversity and inclusion, advocating for student rights, providing academic support, and facilitating networking opportunities. Also, it has promoted social responsibility, community engagement, and leadership development among students. By encouraging students to be active participants in their education and providing them with resources and support, PGSSU has helped students in achieving academic success and personal growth.

Unleashing the Excitement: Highlights of PGSSU's Dynamic Events

Saraswati Puja

Saraswati Puja is an important Hindu festival celebrated in honor of the goddess of learning, wisdom, and knowledge, Saraswati. The festival is observed in various parts of India and the world, particularly among students and scholars. It is believed that Saraswati bestows blessings of knowledge, creativity, and intellect upon her devotees. Students perform puja, offer flowers and sweets, and seek her blessings to excel in their studies and academic pursuits. Saraswati Puja

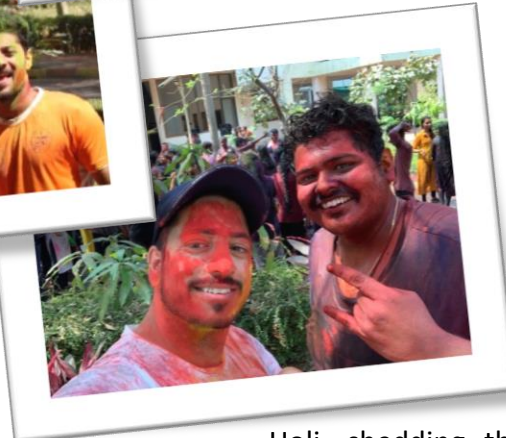


also promotes the values of education, culture, and tradition and serves as a reminder of the importance of knowledge and learning in one's life. Our hearts were filled with joy as we celebrated Saraswati Puja with great fervor and devotion. The atmosphere was charged with the sound of mantras and the fragrance of flowers.

Holi 2022

The colorful festival of Holi filled our hearts we smeared each other with vibrant hues of

with joy as
love and
happiness.
Laughter,
music, and
sweets
added to
the
festive



cheer. Everyone danced in joy and excitement, forgetting all their worries and Submerging themselves in the kaleidoscope of colors. all enjoyed the exuberant celebration of inhibitions and spreading joy and merriment. The spirit of camaraderie and togetherness was palpable, as they celebrated the triumph of good over evil with enthusiasm and fervor.

Holi, shedding their

Late Shivakrishna Avadootha Memorial CIFE Premiere League-2022

Shivakrishna Avadootha was a beloved member of the CIFE parivar, and a cricket match was organized in his memory as a way to pay tribute to his life and legacy. The match was a fun-filled and exciting event, with friends and family members coming together to celebrate Shivakrishna's life through the sport he loved. The event was not only a way to remember a dear friend but also a means of fostering a sense of community and unity among those who way to honor the memory of Shivakrishna and his passion for cricket.



participated. It was a fitting

'Scary Shark', 'Royal Whales', 'Fighting Piranhas', and 'Perch Pirates' sound like exciting and



creative team names. The final match between 'Perch Pirates' and 'Royal Whales' must have been an intense and thrilling experience, with both teams giving it their all to come out on

top. It's great to see teams coming up with unique and interesting names that add to the fun and excitement of the sport. It's great to know that the tournament concluded with a winner, and 'Perch Pirates' emerged victorious, adding to the excitement and thrill of the event.

It's heartening to hear that the tournament broke new ground by including a women's match for the first time. This is a significant step towards promoting gender equality in sports and providing women with equal opportunities to showcase their talent and skills. It must have been a proud moment for the women's team to be a part of this historic event and participate alongside their male counterparts. The inclusion of women's cricket in the tournament highlights the importance of diversity and inclusivity in sports, and hopefully, it will pave the way for more such initiatives in the future. The tournament was a success, with all the teams showcasing their skills and sportsmanship, and the creative team names adding an extra spark of entertainment to the event.



Alumni Groove: When Past and Present Meet on the Dance Floor

The DJ night with alumni was a highly anticipated event that took place last month. It brought together former students and current ones to celebrate and have fun. The atmosphere was electric with music and laughter as everyone danced the night away. The alumni were seen reconnecting with their alma mater, reminiscing about their college days, and sharing their experiences with the current students. It was heartwarming to see how the current students



looked up to their seniors and were eager to learn from them. The event was a great success, and it left everyone with memories that will last a lifetime. Overall, it was a wonderful evening filled with music, dancing, and camaraderie, making it a memorable event for all those who attended.

Fish Swad: Indulge in the ocean's flavors.

Fish Swad is a celebration of India's coastal cuisine, showcasing a range of seafood dishes from different states of the country. Fish Swad, the seafood fair, has become a popular destination for seafood enthusiasts in and around Mumbai due to its diverse range of exhibits that captures the authentic taste of seafood dishes from all corners of India. It's diverse menu allowed everyone to sample a wide variety of seafood dishes from all over India. From the spicy fish Pollichathu of Kerala to the tangy Bhetki paturi of West Bengal, every state's cuisine was well represented at Fish Swad. Fish Swad avails people the opportunity to savor the authentic taste of seafood dishes from all corners of India without leaving the city. Fish festivals are not only fun and festive events, but they also serve an important role in promoting sustainable fishing practices and conservation efforts.



Swar Tarang

Swar Tarang was a cultural extravaganza that offered a delightful showcase of various performances, each one presenting a unique cultural flavor. The audience was treated to a vibrant Bengali group dance that filled the room with energy and enthusiasm, followed by a soulful Bihu solo dance that showcased the rich traditions of Assam. One of the highlights of the event was a captivating solo dance performance on



the popular song 'Lal Ishq' that left the audience spellbound. The event also had two faculty



members who displayed their musical talents by singing songs, adding a melodious touch. The last performance of the event was by the Marathi group, who played their traditional band, adding a delightful culmination to the evening's cultural celebrations. Overall, Swar Tarang was a mesmerizing display of cultural diversity that left a lasting impression on everyone who attended.

Eid ul Fitr and Eid ul Azha Celebration

To celebrate the occasion, the students gathered for a communal lunch and dinner, sharing



traditional Eid delicacies and enjoying the warm company of one another in the spirit of the festival. Eid al-Fitr, also known as the 'Festival of Breaking the Fast,' marks the end of the holy month of Ramadan, during which people fast from dawn to dusk. The festival is an occasion to express gratitude to God and to strengthen social ties by coming together with family, friends, and members of the community. It is a time for forgiveness, reflection, and renewal, with acts of charity and kindness encouraged

during the festivities. The Eid al-Adha, also known as the 'Festival of Sacrifice,' is celebrated to commemorate the willingness of the prophet Ibrahim to sacrifice his son as an act of obedience to God. This festival is marked by the sacrifice of animals such as goats, cows, and camels, and the meat is distributed among the poor and the needy. The joyous celebrations of Eid bring together people of all ages, backgrounds, and cultures, fostering a sense of unity, inclusivity, and shared values.

Ganesh Chaturthi

The auspicious occasion of Ganesh Chaturthi was celebrated with great enthusiasm and devotion at CIFE, as students and staff members came together to perform the traditional puja and seek the blessings of Lord Ganesha. The main highlight of the celebration was the installation of the idol of Lord Ganesha, which was adorned with colorful clothes and accessories. The students and staff members offered prayers and sought the blessings of the revered deity, who is considered to be the remover of obstacles and the harbinger of good fortune.



Grooving to the Garba Beats: A Night of Music, Dance, and Festivity

The Navaratri celebrations at CIFE were marked by a range of activities, including traditional puja ceremonies, devotional singing, and colorful Garba and Dandiya Raas dances. Students and staff members dressed in colorful traditional attire and participated in the festivities with great enthusiasm.

The Garba and Dandiya Raas dances were performed to the beat of lively music that featured a mix of traditional and contemporary songs, including popular Garba songs like "Chhogada Tara" and "Dholida Dhol Re Vagad". The students and staff members formed circles and moved gracefully to the



music, clapping their hands and twirling their dandiya sticks in rhythm.

The Navaratri celebration at CIFE served as a reminder of the rich cultural heritage and traditions of India and brought together people from different regions and backgrounds to celebrate the spirit of unity and diversity.

Onam Festivities: Honoring Tradition and Unity

The vibrant and colorful festival of Onam was celebrated with great fervor and joy at CIFE, as the students and staff members immersed themselves in the rich cultural heritage of Kerala.



The campus was decorated with a beautiful flower Rangoli, which added to the festive atmosphere. Students dressed up in traditional Kerala attire, with girls wearing the elegant Kasavu sarees and boys donning the iconic Mundu and Shirt

The Adient Christmas Party



The Adient Christmas Party was a delightful event, with students and their families coming together to celebrate the holiday season. The party featured delicious food, drinks, and lively performances of Holy Christmas songs, which added to the festive atmosphere. Attendees enjoyed watching several stage performances by talented students, who sang beautiful songs and entertained the crowd. Overall, it was a memorable evening that brought the community together in the spirit of the season.

New year celebration

New Year's Eve was a special time for reflection and celebration, and many people chose to spend it with loved ones. As the clock struck midnight, revelers toasted to the new year and reflected on memories from the past. Fireworks and crackers lit up the night sky, adding to the festive atmosphere. Delicious cakes and treats were shared, symbolizing the sweetness of the coming year. It was a time to create new memories with family and friends, and to look forward to the endless possibilities that the new year held.



Harvesting Happiness: Pongal Celebrations at CIFE



CIFE celebrated Pongal, the harvest festival of South India, with great enthusiasm and joy. The campus was adorned with colorful decorations and traditional rangolis. Students and faculty members gathered to prepare the traditional Pongal dish and

offer prayers to the Sun God. The celebration also featured various cultural programs, including folk dances and various Pongal special games that added to the festive vibe of the event. The



Pongal celebration was a great way for the CIFE community to come together and enjoy the spirit of the festival.



Vasant Panchami celebration



We are filled with gratitude to celebrate Vasant Panchami once again, as it is an opportunity to embrace the arrival of spring and the blessings of knowledge and wisdom. The occasion brings a sense of joy and renewal, reminding us to be thankful for the blessings of life.

Holi 2023

The recent Holi celebration was a vibrant and lively event filled with traditional music and modern beats. Participants enjoyed dancing to the sounds of the dhol and other traditional instruments, as well as popular Bollywood songs played by a DJ. The colorful festival brought together people of all ages and backgrounds, creating a sense of unity and joy. Participants smeared each other with colors and exchanged greetings of 'Happy Holi!' The event was a wonderful opportunity to celebrate spring and the spirit of togetherness.





POETRIES

माँ तू पास होती तो कह देता.....

थकान बहुत होती है पढ़ते पढ़ते,
माँ तू पास होती तो कह देता कि एक कप चाय बना दे ॥
थक सा गया हूँ मैस की रोटी खा-खा कर,
माँ तू पास होती तो कह देता अच्छे पकवान बना दे ॥
बंद हो गया हूँ छात्रावास के कमरे की चारदीवारी में,
माँ तू पास होती तो कहता बाहर घूमा दे ॥
करता हूँ कोशिश रोज खुश होने की,
माँ तू पास होती तो जरा मुस्कुरा लेता ॥
परेशानियाँ तो बहुत हैं यहाँ
अगर तुझे बताता माँ तो तुझे भी रुला देता ॥
थोड़ा दूर निकल आया हूँ अपने घर से,
माँ अगर तेरे सपनों की फिकर न होती तो कब का लौट आता ॥
निकला हूँ घर से बस ये ही सोचकर कि हजारों मुश्किलों के बाद
माँ - पापा को संसार कि सब खुशियाँ दिला सकूँ ॥



VIKAS K UJJANIA
AQC-PB-111

विद्यार्थी जीवन

हर रोज मेहनत करने के बाद भी
मर मर कर जीना,
खाने का समय नहीं और काम बहुत ज्यादा
इज्जत कम और जेब खाली,
माँ बाप से दूर और अपनों का साथ नहीं,
किसी की बातों पर भरोसा हो जाये,
ऐसी किसी में बात नहीं,
ऐ बड़े शहर बहुत एहसान है मुझ पर तेरा,
सब चुकाऊंगा जरा वक्त ठीक आने दे ॥

विद्यार्थी का संघर्ष

आना जाना छोड़ चुके
त्योहारों से नाता तोड़ चुके
कर के सीना अपना भारी
घर से मुख है मोड़ चुके
किसका मन मानता है यारो
घर का सुख चैन गवाने को
फिर भी घर से हम आ चुके
जिंदगी सफल बनाने को
आँख में माँ के बस्ता सपना
की मैं अब काबिल बन जाऊ
कर कर चिंता उम्र ढल गयी
कभी तो चेहरे पे खुशियां लाऊँ
पिता को मेरे लाख परेशानियां
फिर भी मेरे लिए कमाता है
छत वो घर की टपक रही है
जिसके नीचे वो सोते है
और जब जब बाहर हुआ मेरिट से
मुझसे ज्यादा परेशान वो होते है
पता है उनको, पता है सबको
मेहनत में मेरे कमी नहीं
ऐसी जिंदगी भी क्या जिंदगी यारो
जिसमे किस्मत से बिगड़ी नहीं
माना चल रही कठिन परीक्षा
मेहनत मेरा हथियार है
शिक्षकों से लेकर दीक्षा
मैं रण को तैयार हूँ
बस सबर का मेरे बांध ना टूटे
गला नसीब का मैं घोटुंगा
बस कुछ साल बाकी है
बन डॉक्टर मैं लौटुंगा....



VIKAS K UJJANIA
AQC-PB-111

भ्रष्टाचार मिटाओ- नया भारत बनाओ

जन्म लिया जिस देश में, उसमें प्यार बांटो।
जिस डाली पर बैठे हो उसको तो मत काटो ॥
बन कर गंधार, बीज भ्रष्टाचार के जो है बोते ।
ऐसे मनुष्य पशुओं से भी बत्तर है होते ॥
बड़े खरचे, बड़े प्रचार ।
ये कैसे दूर करेंगे भ्रष्टाचार ॥
काले धन पर करो प्रहार
सारे देश में लाओ सुधार ॥
भ्रष्टाचार को सक्रिय हुए हो गए हैं बरसो ।
और आज नोच-नोच के खा रहा है सबको ॥
शायद बाबा साहेब भी देख ऊपर से हो हैरान ।
स्थिति कैसी विकट हो गई वीरान ॥
अगर आप कहें तो मटकी झाड़ू फिर से बांध लेंगे।
आप हुकुम करो मालिक आप के तलवे चाट लेंगे ॥
सालो से फैले भ्रष्टाचार के काले बादल को अब तक ना सहते ।
अगर किसी ने जो किया होता गलत तो जुबा काट दिए होते
देश के विकास दर को है बढ़ाना।
भ्रष्टाचार को होगा जड़ से मिटाना ॥
भ्रष्टाचार पर वार करो ।
अपने देश से प्यार करो ॥
भ्रष्टाचार की जड़ें हैं गहरी ।
राजनेता हैं भ्रष्टाचार के प्रहरी ॥



NIDHI KATRE

FEX-PB0-06

वो CIFE के दिन

बहुत प्यार था CIFE से
अब और बड़ गया Corona के वजा से।

वो हॉस्टल से निकली हमारी सवारी
तरह तरह लोगो से सड़के भरी पड़ी।
उसके बीच में से खिलते थे साइकिल की यारी
अब लगता है वापस अजाए वो यादों की घड़ी।।

वो सेमिनार में शिक्षको का बात - गलाती करने पर डांट
हमारी सोच को ही बदल देते थे।
CIFE ने दिया हमको सकारात्मक साथ
कुछ भी बन सकते हो जो तुम बनना चाहते।।

वो हॉस्टल का खाना, चिकन का लालच
लड़ाई से भी खुश थे, वो IPL के मैच।
कारनामे हमने बहुत किए दोस्ती में
पर कभी धोखा देना नहीं सिखाया CIFE ने।।

वो कलाकारों की दुनिया है CIFE संशोधन में
बड़े नसीबों से जुड़गाए हम इस माहोल से।
फासले कितने भी बड़े, रहेगा CIFE के यादें दिल में
इसी एक आशा से जी रहे है, बुलावा अजाए College से।।

बहुत प्यार था CIFE से
अब और बड़ गया Corona के वजा से।



SHIVKUMAR

FNT-PB1-05

एक सफर प्रकृति में



RAM KUMAR KURMI

FEX-PB2-03

जटिल सफर में बुलंद हौसले थे, जबकि राह में कठिन घर्षण भी था ।
सफर जारी था, कारण प्रकृति का मुझमें अनुपम अचंभित आकर्षण था ॥

मन थकित हुआ आकुल हुआ भयभीत हुआ व्याकुल हुआ ।
पर मन प्रकृति सा शीतल ना था, अतैव प्रकृति प्रेम सा प्रबल ना हुआ ॥

उसके प्रबल प्रेम की सबल डोर से, मैं कुछ ऐसा बंधा हुआ था ।
उसकी ओर जाने की धुन मैं, मन में हर सुर एक लय में सधा हुआ था ॥

मनमोहिनी सरगम के श्रवण से, मन में नई उमंग आती रही ।
तपन चुभन घृणा तृष्णा इस भव की, और मन की सारी व्याकुलता जाती रही ॥

अब सफर अंत में सुकून था, पुनः सफर प्रारम्भ का जूनून था ।
जगत की जद्दोजहज से परे, अब स्वयं से मुझे उलझना था ॥

लम्बी गुफ्तगू करनी थी, शायद एक अरसा लगने वाला था ।
मुझे खुद को प्रकृति में ढूंढ़ना था, खुद में प्रकृति को ढूंढ़ना था ॥

अब उस कठोर वन में भी एक नरमता थी, ऊँचे विशाल पर्वत में भी एक सरलता थी।
अब बर्फ भी उतना शीतल ना था, अब मैं प्रकृति की गोद में था ॥

संसार शून्य सा लग रहा था, आदि ही अंत अनंत का रूप था ।
सब कुछ विरला सुलझा था, सम्मुख माँ धरती का पावन स्वरूप था ॥

फ़िर से उठना ज़ानता हूं मैं

सफलता के दामन में जी भरकर सोना चाहता हूं
जो आज तक न कर सका वो करना चाहता हूं
यह न समझो, असफलता का तूफ़ान गिरा देगा मुझे
गिर भी गया तो क्या, फिर से उठना ज़ानता हूं मैं,

मालूम हैं मुझे मन एकाग्र करना मुश्किल होता है
कोई भी कार्य लगातार करना थोड़ा कठिन होता है
यह न समझो, रंगीन रोशनियों में मन भटक जाएगा मेरा
भटक भी गया तो क्या, उससे सही रास्ते पर लाना ज़ानता हूं मैं,

काम को टालने की आदत ज़ीवन बर्बाद कर देती है
ज्यादा सोचने की आदत बीमार बना सकती है
यह न समझो, बर्बाद और बिमार हो गया हूं मैं
हो भी गया तो क्या, फिर से आबाद होने की कला जानता हूं मैं,

बिना लक्ष्य बनाए कोई भी मंज़िल प्राप्त नहीं होती
न हों इच्छा तो कोई भी योजना परिणाम नहीं देती
यह न समझो, रात के अन्धेरे में तीर चला रहा हूं मैं
चल भी गया तो क्या, संकल्प की मशाल जलाना जानता हूं मैं,

कुछ कर गुजरने की चिंगारी सभी दिल में होनी चाहिये
छोटें बीज़ को बड़े वृक्ष बनाने की कला ज़ाननी ही चाहिये
यह न समझो, वो चिंगारी अब आग नहीं बन सकती
नहीं भी बनी तो क्या,
पानी की एक बून्द से सैलाब बनाने का हुनर जानता हूं मैं ॥



SHYAM D WAGHMARE

FEC-PB0-03

Glittering Wonders of the Deep

*The fish that glide through the seas,
Are a sight to behold and to seize,
With their scales shining in the light,
They sparkle and glimmer, a wondrous sight.*

*Some are sleek and slender, like the eel,
Others are round and plump, like the seal,
Some are brightly coloured, like the clownfish,
Others are camouflaged, like the cuttlefish.*

*In the depths of the ocean, they swim and play,
Through the currents and waves, they make their way,
A life of adventure and freedom, they lead,
In a world of mysteries, and secrets, they keep.*

*The fish are a wonder, of the sea and the land,
A symbol of life, with a beauty so grand,
So let us cherish, these creatures of the deep,
And protect them always, for our future to keep.*



PATEKAR PRAKASH

FNT-PB2-02

LIBERTY

Several attempts to discover a road to freedom

But no escape routes are apparent.

Different hues of darkness coexist with light

Who is looking into the shadows to see what's there?

Then a low, whispering wind sound begins,

Often, sudden onset of silence compels us

To plunge into waves of profound pondering.

Love and affection are the only bridge in a relationship,

Where strong links exists.

Later, arrival of different season's embellished

With various climatic flavors

Desires arise to mingle in the seasonal shifting.

However, hesitant to reach out and grasp the turn of century.

As, a consequence, the mind & body become

Increasingly harsh with the passage of time.

We even occasionally didn't realize that,

Everything is a part of someone's plan.



AMRITA MOHANTY

FBT-PB1-01

AUTUMN

*The day, I sat under the autumn tree
I was lost in the thoughts of past
The thoughts made my soul crippled
I was going to breathe my last*

*The trees were naked
The nature had worn the garment
Sadness upon my soul walked
My soul suffered a great torment*

*The folk retired to their abodes
With the advent of darkness upon light
I lost my way while walking upon the roads
But I found my house at one sight*

*The lake was silent
And the leaves were pale
The thoughts in my mind
Were like the gale*

*The children were loitering
All the way home
And the birds had left their nest
Feelings were on my chest like a foam*

*The fruits were vanished from the orchids
And the blossom had withered from the trees
My soul in the mortal-frame suffered tortures
Water in the rivers, was going to freeze*

*Lo! The time for everyone was agonizing
I remembered the look on the sun rising
Waiting for the end of my thought
Which the time to my mind has brought.*



NAILA MAJID BHAT

FEX-PB0-02



ESSAYS

“HOSTEL LIFE”

Let’s refresh it.

"Hostel life is an emotion combined with many emotions". It is believed by everyone that hostel life has got its impact on the students' life. Living in the hostel change student both socially and culturally. Hostel life is a combination of different cultural backgrounds, in the hostel life students learn to live with people from different cultural background. There is a popular quotation "Times change people change" it is best applicable for the hostel students. Hostel life is going to change the way a student is, hostel life has its effect on the personality behavior, thinking, and dressing as well.

Hostel is a place where we meet new people, get new environment to adjust in and we get knowledge of living life. Life in a hostel is different from the life in a home. Generally, a student stays in a hostel when his residence is located far from his educational institution. Hostel life makes a student self-dependent. It can have huge impact on a student personality, it can be either positive or negative. A hostel is controlled by a warden and hostel secretary. The warden makes hostel rules for the students. He sees whether the rules of the hostel are being followed or not. To think about the welfare of the students, whether they are being provided tasty meals, good medicare facilities, healthy reading atmosphere as well as neat and clean surroundings. It should be the basic aim of Hostel Warden to make students hostel a center of excellence, "Where-



Pankaj Kumar Singh

FNFT-MB2-05

Peace, Prosperity, brotherhood, and communal harmony always prevails. Where hi-tech education should be the key focus. Where sports and other extra-curricular activities should be the regular feature. Where students with innovative minds and ideas as well as creative talent should always be encouraged. Where there is no scope of hatred, violence, and ego clash among students." Though the warden sir is there to look after them, yet the students have their own way. They have to study and do their duties themselves. A hostel has a mess which is managed by students. Tasty food is served in the mess. Some students wash their own clothes. Others give their clothes to the washer man. A hostel has a recreation hall. Here, the students assemble to watch television especially on cricket match (India team). They also discuss in groups about the daily events, politics, current issues etc. A hostel has facilities for indoor games like badminton, table-tennis, basketball etc. Some hostels have facilities for outdoor games also like volleyball, cricket etc. Thus, in a hostel, a student can develop his mind and body. Various types of students are found in a hostel. Some are very studious. They always remain busy in their studies equipped with books. Some are

mischievous equipped with other items instead of books. They give little time to studies (one-night fighters). They spend their time moving around, playing etc.

At hostel students celebrate almost every festival with friends and get to know about others tradition, it helps them to know about the various cultures of different regions. They develop a sense of unity in diversity and broaden their outlook. They learn the lesson of co-operation. Students learn many things in the hostel. They help one another in the hour of need. They become enduring friends, "Life without hostel friends is like tea without sugar". They learn to become independent. In hostel, students have to live accordingly to the rules of hostel. They have to wake up on time, sleep on time, have food on time, study on time etc. But apart from all these rules real hostel life begins at night. In hostel, students must do several works by themselves like taking care of their belonging, washing their clothes, arranging their beds etc. This helps them to be self-reliant. They learn what is right and what is wrong. Here, they learn to depend on themselves. Hostel life makes the students life regular and systematic. Students living in hostels face many difficulties and hurdles such as financial crises, adjustment issues, personal helplessness, distress, changes in eating and sleep habits, and many other issues. And at this moment they get support from hostel mates "In hostel life nights turned into morning, with friends that turn into family." Students face life practically on their own in a hostel. Life in a hostel impart huge confidence in them. They develop their personality. They learn to face the problems in life. They learn to be self-disciplined. They develop a feeling

of respect for other religions and culture. They learn to help and co-operate one another. They learn social etiquette and lead a better and disciplined life. Hostel life thus helps them to develop many good qualities and make the students good citizens. Living away from family for a specific period leaves some enduring experiences in the life of the students. In this new lifestyle student learns to live independently and learn how to compromise with the other students and roommates. Hostel life also makes student more ambitious, those students who have stayed in hostels are more self-reliant and confident than other students. In hostel student have opportunities to learn from other student, and that may help student to face the practical life more confidently.

Hostel life creates strong impact in student's mind, i.e., after leaving hostel students are not able to forget their hostel life incidences. **"घर से hostel को जाते है तब रोते है और जब हॉस्टल से वापस घर जाते है तब भी रोते है।"** That's how we feel the strongness of bond we have created. Thus, everyone should enjoy their hostel life and cherish each and every moment whenever they get chance.



Friendship

Friendship is a unique and pure relationship in the world because here we get a chance to choose a person by their own personality without any discrimination. Everyone has friends at every phase of their life where they help to create beautiful memories. While in childhood the friendship is in innocence phase but some of the friendships get selfish as they grow. Friends play an important role in everybody's life and has great impact on life. After family, friends are the ones who truly supports and motivates. Friends are the one who are not blood related but still help us in our difficult times and have trust on them. Friendship happens irrespective of age, gender, color, religion and teaches us to respect all the differences that are present.

A true friend always wants his friend to get success in his life and will hold back in the failure. A friend becomes our personal diary where we are free to express our feelings of joy, sorrow, anger and so on. They are also our secret keepers who knows tones of our secrets and never ever judge us. Friendship is the strongest bond and create innumerable memories like late night studies with friends to get good score in the exam, gossiping, having late night coffee in the chill weather, exploring to the new places and indulging into adventures, cooking, dancing, singing, playing sports, and of course having fight over small issues. Everyone gets evolved in this beautiful relationship. Friends are the one



Rohini Kalyani

FNFT-MB1-07

who doesn't only pull your leg but also encourages and appreciates you in the public.

Friends are the ones who care for you, love you for who you are, loyal towards you, push you to the best, becomes best advisor for you and, they are bit critic, indirectly they are complete package of a family. Sometimes some friendships don't work out and we need not to feel bad for that, but some friendships are outstanding which add joy to our existing lives. Always remember that quality matters over quantity so it's okay to have few friends who are real rather than the two-faced people who pretend to care for you. Everyone deserves an uncomplicated, stable, consistent love from a friend. This is dedicated to all the beautiful friends.



Short story on CIFE Life

As a student at the Central Institute of Fisheries Education (CIFE) in Mumbai, the only deemed University of Fisheries Science in India, I feel privileged to be a part of such a vibrant academic community.

Studying at CIFE has been an incredible experience for me. It was my first time studying outside my home state, and I had the chance to interact with students from all over India. The teaching staff is among the best scientists in this field, and their approach to teaching is exceptional. They are always there to guide us at every level, and we have gained invaluable practical skills here.

Our campus is in a posh area of Mumbai, and we have access to various facilities at CIFE such as a top-notch library and indoor and outdoor sports complex. I have spent many hours studying in the library and enjoyed participating in sports and recreational activities with my peers.



Vipul Singh Badguzar

AEM-MB1-08

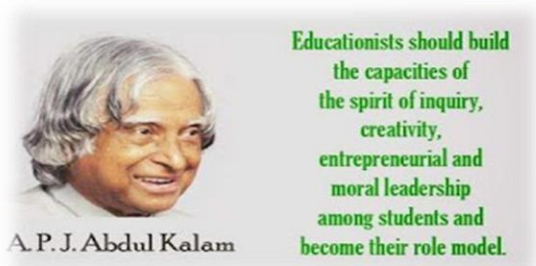
One of the most exciting parts of my time at CIFE was the opportunity to travel abroad for research training. I was fortunate enough to go to Thailand, where I learned about aquaculture techniques and the cultural differences between India and Thailand. This was a once-in-a-lifetime experience that I will always cherish. All in all, studying at CIFE has been one of the best years of my life. I have gained invaluable knowledge, formed lifelong friendships, and had an unforgettable experience in one of the world's most vibrant cities. I am grateful to CIFE for giving me this opportunity, and I will always remember my time here with fondness.



Youth: Front Warriors

Towards Nation Building

According to George W. Bush, "If we don't stop extending our troops all around the world in nation-building missions, we're going to have a serious problem coming down the road". This makes us realise that Youth energy can incentivize the mission towards Nation building. Youth has the capacity not only to bring a meaningful society but also to lead the nation as well. However, a nation can work at its potential only if society is conscious. Youth should make them realise that they are part of social reforms and a part of society. We remember the quote from Dr A.P.J Abdul kalam, " If a country is to be corruption free and become a nation of beautiful minds, I strongly feel there are three keys of societal members who can make a difference, they are father, mother and teacher." Education is the weapon to make every citizen aware to stand for the nation. It encourages the youth not only to get themselves educated but also to educate the youth community who are very unfortunate to get an education. As a developing nation India, we are far behind in comparison to developed countries in certain areas. In this dilemma, Youth are having the capacity to imbibe that vision within them to unleash the



Anwasha Behera
FRM-PA9-01

potential of the resources that exist in our country and build our nation at its highest to bring social cohesion, economic prosperity and political stability. "Human resources are one of the greatest assets for our nation. They are indeed the future of our country and can represent themselves in diversified sectors. The role of the youth is much more important beyond the point we might think. In this regard, it is also the responsibility of a nation to make every citizen realise that they are equally important in spite of the work they have been assigned. The country doesn't mean a single person instead it means millions of people who will love together with harmony, peacefully and hopefully. The nation requires the voluntary participation of youths to achieve its goals and use it as a stepping stone for its progress. We as youth should stand up for the country and boost the spirit of people of different age groups to work with integrity and succeed with integrity as a leader. We must not forget about working towards the empowerment of women. Brigham Young mentioned that "You educate a man, you educate a man, you educate a woman; you educate a generation." We must take youth moment as a challenge towards nation building and aware people to work for a dream India.

P.S: Let's join hands for a revolutionary Prosperous India.



Art Gallery

ART GALLERY



CHANDANA DINAKARAN

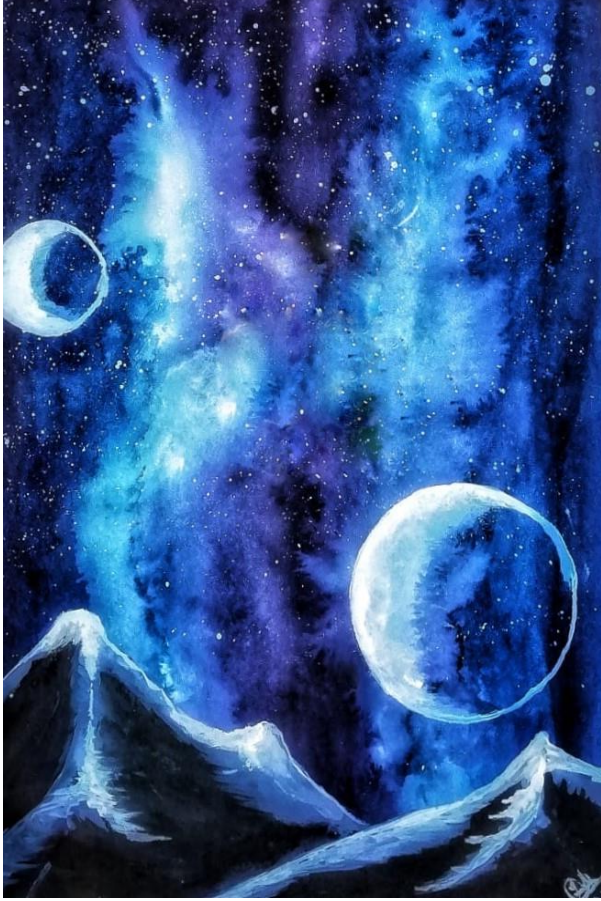
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JEEVAN T. M.

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SELVARANI B

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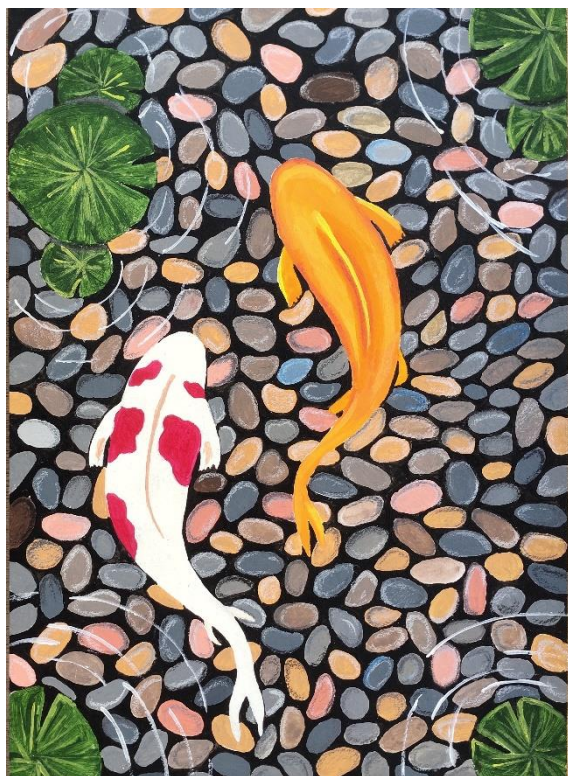
SELVARANI B

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CHANDANI DAVE

FEC-MB1-01





Naveen Rajeshwar. B

AAH-PB0-06



"Life is a Doodle, Full of Scribbles yet Beautiful"

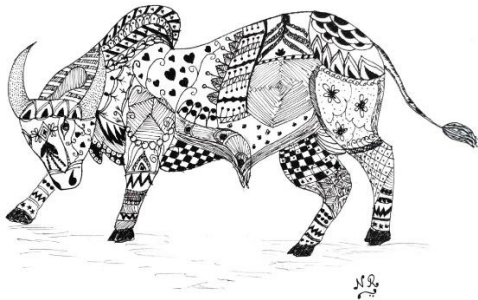




Photo Montage

Ms. M. Porkodi
FBT-PB1-04



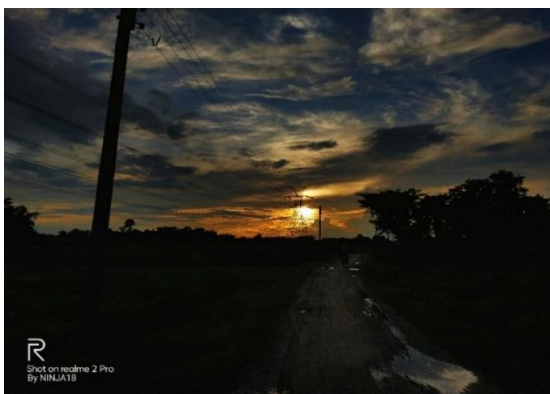
“BEAUTY OF LIFE”



Foggy sunset



Pritam Sarkar





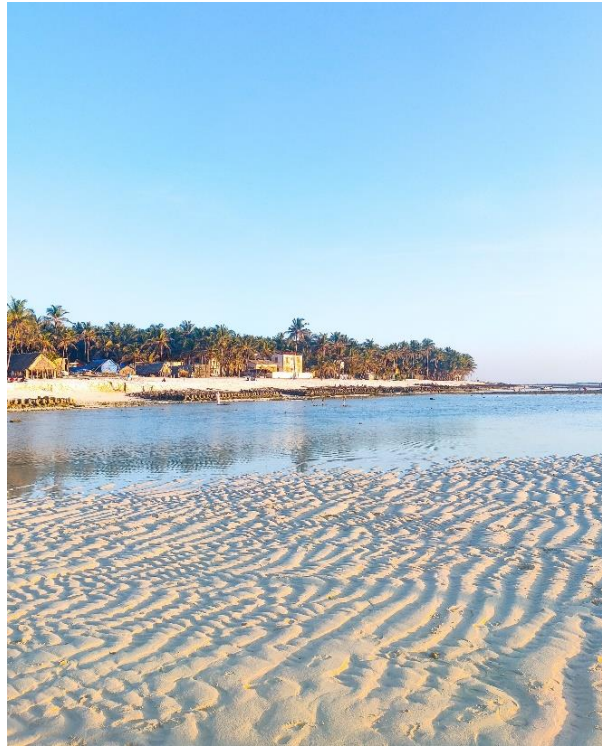
Mr. Mohammed Ihzan Madapally

PHT-PA9-05

I don't fish to escape my life. I fish to live my life.



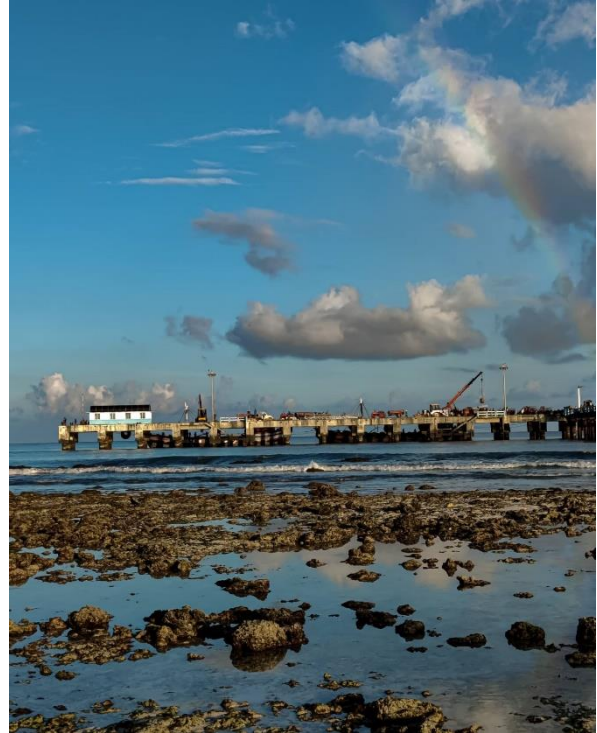
Seek to sea



Always take the scenic route!

Island state of

A great voyage is a journey that never ends.



Here I am, collecting memories.



"Home is where the anchor"

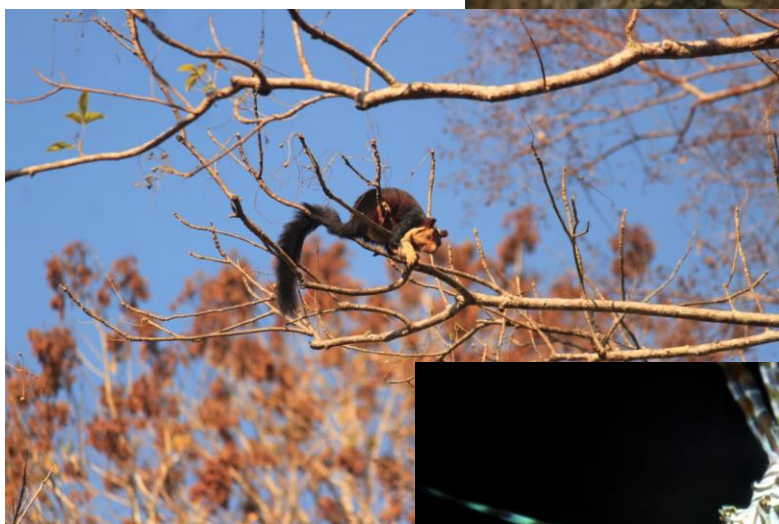
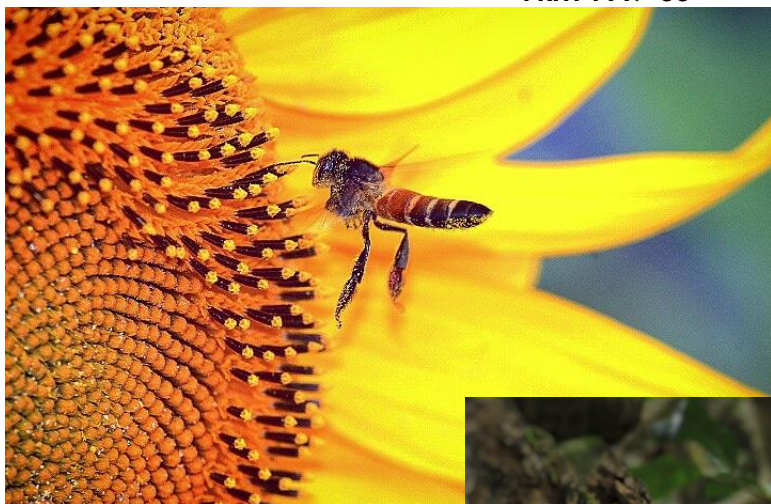
Sunsets and sol-mates

JEEVAN T. M.
FRM-PA9-05



JEEVAN T. M.

FRM-PA9-05





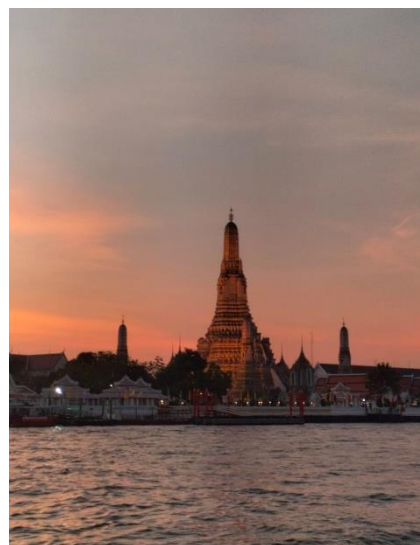
DHARANI I

AEM-MB1-03



RUJAN J

FEX-MB1-07



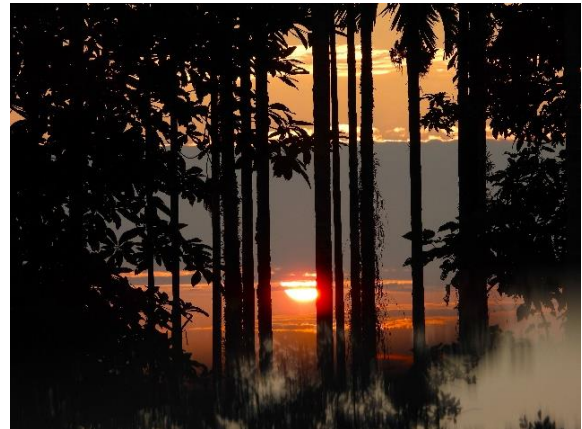
SHYAM DATTA WAGHMARE

FEC-PB0-03



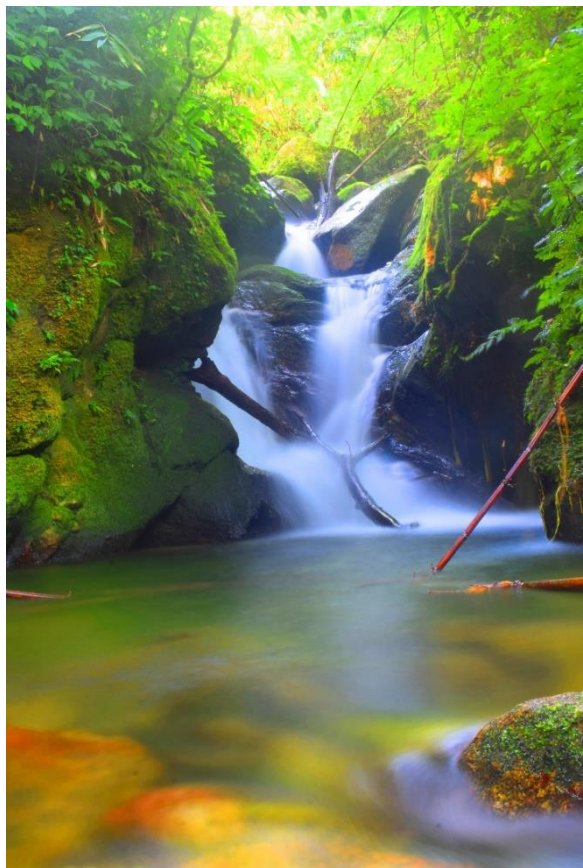
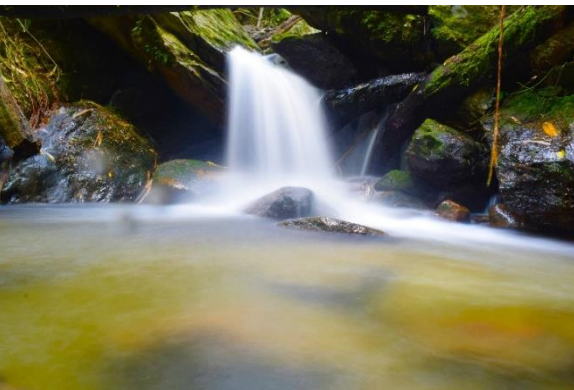
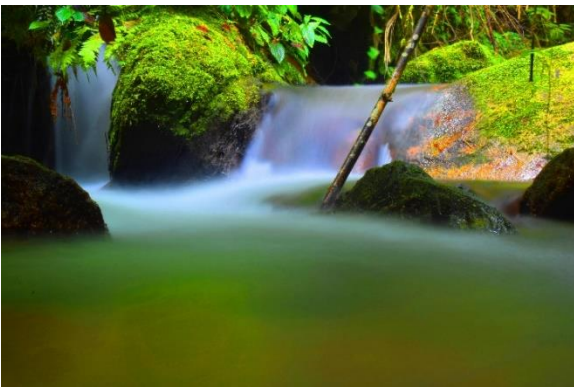
TAO KARA

AEM-PB1-06



TAO KARA

AEM-PB1-06





SOORAJ N S

AAH-PB1-05





CIFEANS HALL OF FAME

Heartiest Congratulations to our New ARS



Mr. Udipta Roy

M. F. Sc. 2018-20 batch

Ph. D. 2020-23 batch

Aquaculture



Ms. Jane Jacob

M. F. Sc. 2017-19 batch

Ph. D. 2019-22 batch

Aquaculture



Ms. Atufa Regu

M. F. Sc. 2017-19 batch

Ph. D. 2019-22 batch

Fisheries Extension



***Ms. Bharathi
Rathinam***

M. F. Sc. 2016-18 batch

Ph. D. 2018-21 batch

**Aquatic Animal Health
Management**



***Mr. Chittaranjan
Raul***

M. F. Sc. 2016-18 batch
**Aquatic Environment
Management**



***Mr. Da U Ruhi
Pde***

M. F. Sc. 2014-16 batch
**Fish Physiology and
Biochemistry**



Dr. Nuzaiba P. M

M. F. Sc 2013-15 batch
Ph. D. 2016-19 batch
**Fish Physiology and
Biochemistry**

SUSHREE SANGEETA DEY

AQC-PA9-06

Best Oral Presentation Award (1st)

Topic "Dietary Protein Reduction for *Anabas testudineus* Fry Reared in Biofloc Culture System"

Conference: International Conference on 'Responsible Aquaculture and Sustainable Fisheries Interact (RASHI-2022)



LITON PAUL

FEC-MB1-06

Best Poster Award

Topic: "Geospatial Analysis for sustainable Aquaculture Expansion: A case study on water spread area mapping and fish production potential in Dimbhe reservoir, Maharashtra"

Conference: Fisheries and Aquaculture an Ecological Perspective, IESFAC-23, GADVASU, Ludhiana, Punjab



KURAPATI NAGENDRASAI

AEM-MB1-04

Best Poster Award (2nd)

Topic: "Evaluation of Potato Peel Extract in Shelf Life Extension of Chilled Fish"

Conference: National Science Day 2023, National Facility for Biopharmaceuticals (NFB) Mumbai.



DAVID WAIKHOM

AAH-PB0-02

Best Poster Award (1st)

Topic: "Beta-glucan Induced Alterations in Fish Indicate Immune Memory Characteristics in Common Carp, *Cyprinus carpio*"

Conference: International Conference on 'Responsible Aquaculture and Sustainable Fisheries Interact (RASHI-2022)



Seenivasan P

FEC-PB1-03

Best Oral Presentation Award (1st)

Topic: “COVID-19 and fishers’ livelihoods: The case of Mumbai Bhaucha Dhakka Market, India”

Conference: 13th Asian Fisheries and Aquaculture Forum (13th AFAF)



Seenivasan P

FEC-PB1-03

Best Oral Presentation Award (3rd)

Topic: “Assessing Socio-Economic Vulnerability for Development: A Bottom –up Approach”

Conference: International conference on Advances in Agriculture and Food System Towards Sustainable Development, Bangalore.



SHUBHAM SONI

FEX-PB105

MANAGE Award for Best Post-Graduation Thesis in
Agricultural Extension (First Prize for year 2021)

Cash Prize Rs 50,000/-

Title: “Utilization of Fish Waste as a Resource Strategy of
Circular Economy to develop Novel Fish Skin Leather”

National Institute of Agricultural Extension Management
(MANAGE), Hyderabad, Telangana.



SUVETHA V

FEX-PB1-04

MANAGE Award for Best Post-Graduation Thesis in
Agricultural Extension (Third Prize for year 2021)

Cash Prize Rs. 20,000/-

Title: “Socio-Economics Vulnerability and Fisheries
Development: Transformation Pathways for an Aspirational
District in Tamil Nadu”

National Institute of Agricultural Extension Management
(MANAGE), Hyderabad, Telangana.



SAIPRASAD BHUSARE

FNT-PB1-05

Best Paper Presentation Award

Title: "Evaluation of Bile Acid containing Low Protein and High Energy on Growth and Immunological responses in GIFT Tilapia Juveniles Reared in 10 ppt Inland Saline Water"

19th Biennial International Conference, ANSICON 2022, (GADVASU), Ludhiana, Punjab.



SHIVKUMAR

FNT-PB1-05

Best Paper Presentation Award

Title: "Orange Fruit Waste-based Natural Antioxidants: A Novel Feed Additive in Animal Nutrition"

19th Biennial International Conference, ANSICON 2022, (GADVASU), Ludhiana, Punjab.



VIKAS KUMAR UJJANIA

AQC-PB1-11

Research Scholar Award-2022

Fisheries and Life Science Award Ceremony, Kalash Research and Welfare Society, U. P.



NAVEEN RAJESHWAR B

AAH-PB0-06

Best Poster Presentation Award

Topic: "Analysis of chromosome partition protein (mukF) of *Edwardsiella tarda* and *Edwardsiella piscicida*- An in silico approach"

1st Indian Fisheries Outlook 2022, ICAR-CIFRI, Kolkata.



SANDHIYA V

FPT-PB2-03

Conference Travel Grant Award

Topic: "Effect of Brine treatment on the microplastic abundance in salt cured Indian mackerel"

Conference: Indian Ecological Society Fisheries and Aquaculture Conference 2023, GADVASU, Punjab



NAILA MAJID

FEX-PB0-02

Conference Travel Grant Award

Topic: "KVKs and Fisheries In Coldwater Regions of India"

Conference: Indian Ecological Society Fisheries and Aquaculture Conference 2023, GADVASU, Punjab





ILLUSTRIOUS PUBLICATIONS

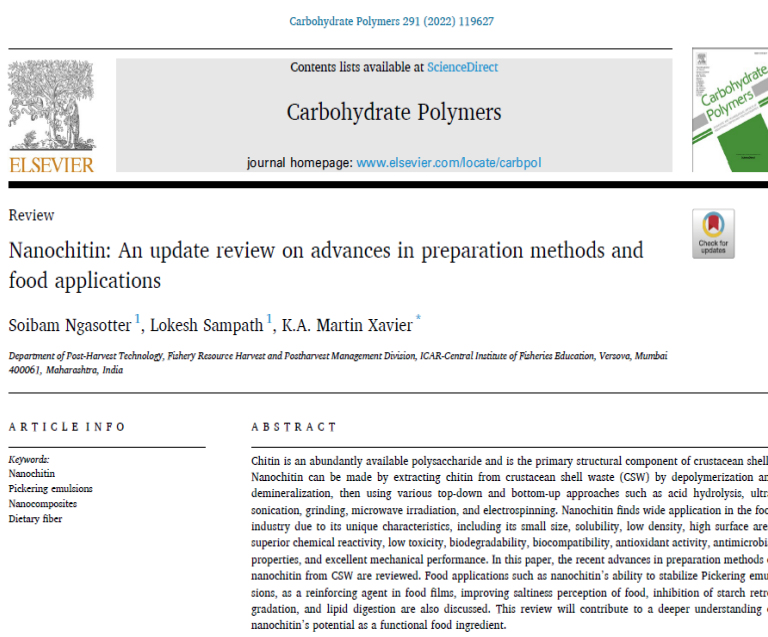
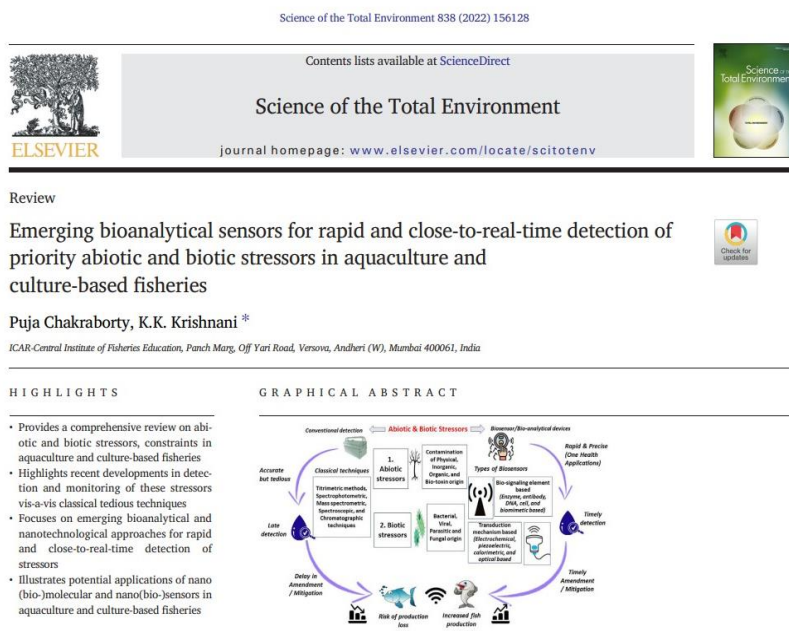


**Puja
Chakraborty**

AQC-PA9-01

IMPACT FACTOR:

10.753



**SOIBAM
NGASOTTER**

PHT-PB0-04

IMPACT FACTOR:

10.723



**SUMAN
NAMA**

FRM-PA9-01

IMPACT FACTOR:

7.001

Marine Pollution Bulletin 189 (2023) 114755



Contents lists available at ScienceDirect

Marine Pollution Bulletin

journal homepage: www.elsevier.com/locate/marpolbul



Review

Impacts of marine debris on coral reef ecosystem: A review for conservation and ecological monitoring of the coral reef ecosystem

Suman Nama^{a,*}, Ashna Shanmughan, Binaya Bhusan Nayak, Shashi Bhushan, Karankumar Ramteke

^a Fisheries Resource Harvest and Post-Harvest Management Division, ICAR-Central Institute of Fisheries Education, Panch Marg, Off Yari Road, Versova, Mumbai 400061, India



ARTICLE INFO

Keywords:
Coral reef ecosystem
Marine debris
Biodiversity
Anthropogenic
Conservation

ABSTRACT

Coral reefs are the most spectacular underwater creation of nature. It enhances ecosystem functioning and marine biodiversity while also ensuring the livelihood of millions of coastal communities worldwide. Unfortunately, marine debris poses a serious threat to ecologically sensitive reef habitats and their associated organisms. Over the past decade, marine debris has been regarded as a major anthropogenic threat to marine ecosystems and gained scientific attention around the globe. However, the sources, types, abundance, distribution, and potential consequences of marine debris on reef ecosystems are hardly known. The goal of this review is to provide an overview of the current status of marine debris in various reef ecosystems across the world, with special emphasis on its sources, abundance, distribution, species impacted, major categories, potential impacts and management strategies. Furthermore, the adhesion mechanisms of microplastics to coral polyps, diseases caused by microplastics and are also highlighted.

Marine Pollution Bulletin 185 (2022) 114262



Contents lists available at ScienceDirect

Marine Pollution Bulletin

journal homepage: www.elsevier.com/locate/marpolbul



Microplastics in the foreshore coastal waters, sediment, and coastal fauna of a highly populated megacity - A study on the effect of anthropogenic discharge on clams

Bejawada Chanikya Naidu^{a,*}, K.A. Martin Xavier^{a,*}, Satya Prakash Shukla^b, Ashok Kumar Jaiswar^a, Binaya Bhusan Nayak^a

^a Fisheries Resource Harvest and Post-Harvest Management Division, ICAR-Central Institute of Fisheries Education (CIFE), Mumbai 400061, Maharashtra, India
^b Aquatic Environmental Management Department, ICAR-Central Institute of Fisheries Education (CIFE), Mumbai 400061, Maharashtra, India

ARTICLE INFO

Keywords:
Microplastics
Sediment
Clams
Coastal water
Polymer

ABSTRACT

In this study, the microplastics (MPs) abundance, characteristics and their variations across three popular beaches of highly populated and largest megacity of India were documented using clams as an indicator species. The abundance of MPs in clams was 77.39 MPs items/g in soft tissue parts and 198.82 items/individual, while in coastal waters and sediments the abundance was 537.5 ± 95 items/L and 10,568.3 ± 3053.3 items/kg respectively. The observed higher microplastic diversity integrated (MDI) indicates numerous sources contributing to microplastics pollution and higher microplastic index (MPI) indicates greater bioavailability of MPs to clams. The bulk of the microplastics recovered from clams (55.78 %), coastal sediments (52.27 %) and coastal sea waters (54 %) belong to the <100 µm size range, and were identified as LDPE and polypropylene, polyamide and polystyrene. This investigation tried to validate the potential trophic transfer concerns associated with clam intake to both human health and marine ecology.



**Bejawada
Chanikya
Naidu**

FRM-PB0-06

IMPACT FACTOR:

7.001



**BANDELA
DAYAKAR**

PHT-PA9-03

IMPACT FACTOR:

6.056



Characterization of spray-dried carotenoprotein powder from Pacific white shrimp (*Litopenaeus vannamei*) shells and head waste extracted using papain: Antioxidant, spectroscopic, and microstructural properties

Bandela Dayakar, K.A. Martin Xavier^{*}, Soibam Ngasotter, Porayil Layana, Amjad Khansaheb Balange, Bhargavi Priyadarshini, Binaya Bhusan Nayak

^{*} Department of Post Harvest Technology, Fishery Resource Harvest and Postharvest Management Division, ICAR-Central Institute of Fisheries Education, Versova, Mumbai, 400061, Maharashtra, India

ARTICLE INFO

Keywords:
Antioxidants
Carotenoprotein
Microstructure
Spray-dried

ABSTRACT

Spray-dried carotenoprotein powder from Pacific white shrimp shells (CPSS) and head (CPSH) waste extracted using papain enzyme were investigated for their antioxidant, spectroscopic, and microstructural properties. The enzymatic hydrolysis conditions were optimized through an experimental Box-Behnken design using response surface methodology (RSM). Optimum hydrolysis conditions to acquire a maximum degree of hydrolysis (DH) of 52.45% for CPSS and 55.36% for CPSH were the enzyme/substrate ratio (CPSS: 2 g/100 g; CPSH: 1.09 g/100 g), temperature (CPSS: 54.41 °C; CPSH: 46.23 °C), pH (CPSS: 6.82; CPSH: 7.22), and time (CPSS: 48.91 min; CPSH: 51.17 min). The analysis of the carotenoprotein powder indicated that protein content (86.16%), DPPH activity (89.55%), and FRAP (2230.5 µmol TE/mL) were higher in the CPSH compared to CPSS. The intensity of the β-sheets were higher in CPSH. The microstructure of the CPSS were rounder and wrinkle-free compared to CPSH powder. The study found that spray-dried carotenoprotein powder recovered from the head waste of *Litopenaeus vannamei* possessed excellent characteristics compared to shell waste and might be used for fortification and enrichment as a nutraceutical in the food processing industry.



The effects of non-lethal heat-shock-induced cross-protection on survival and growth of Pacific whiteleg shrimp, *Litopenaeus vannamei* in response to ionic stress in inland saline waters

T. Paul Nathaniel^a, Tincy Varghese^a, Narottam Prasad Sahu^a, Hougaina Panmei^a, Gopal Krishna^a, Subrata Dasgupta^{b,*}

^a ICAR-Central Institute of Fisheries Education, Versova, Mumbai 400061, India
^b ICAR-Central Institute of Fisheries Education, Salt Lake City, Kolkata 700 091, India

ARTICLE INFO

Keywords:
Inland saline water
Ionic stress
Hsp70
Cross-protection
Vannamei
Antioxidant enzymes

ABSTRACT

Non-lethal heat shock (NLHS) was used to enhance tolerance to other stressors in aquatic organisms and its effects are associated with the accumulation of Hsp 70. A study was conducted to determine the effect of NLHS on the cross-protection of *L. vannamei* against stress in K⁺-deficient inland saline water. To determine the NLHS based on mortality and gill heat shock protein 70 (Hsp70) abundance, *L. vannamei* juveniles (3.52 ± 0.23 g) were reared in inland water of 10 ppt salinity with 100% seawater equivalent (SW_{eq}) K⁺ fortification. As one hour of heat shock at 36 °C resulted no mortality and a 3.5-fold increase in Hsp70 protein in gills when followed by 8 h recovery at 28 °C, the 36 °C was designated as NLHS. Subsequently, *P. vannamei* juveniles (4.64 ± 0.01 g) were exposed to 1 h NLHS in inland saline water containing 25%, 50% and 75% of SW_{eq} K⁺ in triplicates following a recovery of 8 h, whereas the control group did not receive NLHS. The NLHS significantly increased Hsp70 protein in the gills and muscle. In addition, NLHS brought about higher catalase and superoxide dismutase activity in the gills and hepatopancreas, along with increased serum glucose levels. Increased Hsp70 protein abundance in muscle and gills remained elevated even after 12 h exposure to varying K⁺ levels, conferring cross-protection by NLHS against ionic stress caused by K⁺ depletion in inland saline waters. A 45-day growth study showed a significant increase in weight gain and survival (%) in NLHS groups compared to the control group, irrespective of the K⁺ fortification. This growth-promoting effect of NLHS was also evident in the group reared in the most K⁺ deficient inland saline water. This study shows that NLHS provides cross-protection through accumulation of Hsp70 protein and activation of antioxidant enzymes, in K⁺ deficient inland saline water, promoting shrimp growth and survival with atleast 50 aqueous K⁺ supplementation.



**PAUL
NATHANIEL**

FPB-PB1-01

IMPACT FACTOR:

5.135



DAVID
WAIKHOM

AAH-PB0-02

IMPACT FACTOR:

4.62

Fish and Shellfish Immunology 131 (2022) 855–861

Contents lists available at ScienceDirect

Fish and Shellfish Immunology

journal homepage: www.elsevier.com/locate/fsi

Full length article

Beta-glucan stimulation induces trained immunity markers in common carp, *Cyprinus carpio*

David Waikhom^{a,*}, Jeena Kezhedath^{a,*}, Rahul Krishnan^b, Tincy Varghese^c,
Pani Prasad Kurcheti^a, Rajendran Kooloth Valappil^a

^a Aquatic Environment and Health Management Division, ICAR-Central Institute of Fisheries Education, Panch Marg, Off Yari Road, Versova, Mumbai 400 061, India
^b Department of Aquatic Medicine, Chonnam National University, South Korea
^c Fish Nutrition, Physiology and Biochemistry Division, ICAR-Central Institute of Fisheries Education, Panch Marg, Off Yari Road, Versova, Mumbai 400 061, India

ARTICLE INFO

Keywords:
Macrophages
mtor
hif1α, lactate and LDH
Epigenetic modifications

ABSTRACT

Trained immunity refers to the memory acquired by innate immune cells, leading to cross-protection and non-specific responses to subsequent infection, thereby improving host survival. Trained immunity induction is a combined effect of immune signaling, metabolic changes, and epigenetic modifications. The present study evaluated the induction of markers of the phenomenon of trained immunity in common carp, which is trained using β-glucan. The mammalian target of rapamycin (*mtor*) and hypoxia-inducible factor (*hif1α*), the metabolic basis of trained immunity; the histone deacetylase (*hdac7*), one of the markers of epigenetic modifications, metabolic activity of activated cells and expression profiles of proinflammatory cytokines via *il6a*, *myd82*, and *ifnγ* were targeted in the study and analyzed in vivo. Besides in vivo analysis, in vitro analysis of *mtor2*, *hif1α*, *hdac7*, and *ifnγ* were analyzed. In vitro analyses were performed on head kidney macrophages isolated and maintained in L-15 media and double trained with β-glucan at 100 μg/mL. The culture supernatant was collected at different time intervals and processed for expression studies. Healthy common carp were injected with β-glucan at 20 mg/kg body weight for training followed by a resting phase for 6 days and were restimulated with the same dose. Head kidney was collected from the fish post-induction as well as post-restimulation. The expression profile of *mtor2*, *hdac7*, and *hif1α* were found elevated post-stimulation of β-glucan. Further, a significantly upregulated expression profile of proinflammatory cytokines (*ifnγ*, *il6a* and *myd82*) was observed. Increased glycolysis in the cells post-β-glucan stimulation was confirmed by the high lactate and LDH production detected in the cell culture supernatant. Overall, the study revealed the expression profile of the trained immunity markers and the increased metabolic activity in cells induced with β-glucan, which further validates that the action of trained immunity is indispensable in fish on encounter with a potential ligand. The study supports the existing reports on trained immunity in teleost fish with evidence at the genomic level. However, further studies are required to understand the responses and actions of trained immune cells during infection in detail.

Marine Policy 141 (2022) 105088

Contents lists available at ScienceDirect

Marine Policy

journal homepage: www.elsevier.com/locate/marpol

Impact of COVID-19 lockdown on aquatic environment and fishing community: Boon or bane?

Abhijit Mallik^{a,*}, Puja Chakraborty^b, Shashi Bhushan^a, Binaya Bhusan Nayak^a

^a Fishery Resource Harvest and Post-Harvest Management, ICAR-Central Institute of Fisheries Education, Mumbai, India
^b Aquaculture Division, ICAR-Central Institute of Fisheries Education, Mumbai, India

ARTICLE INFO

Keywords:
COVID-19
Lockdown
Aquatic resources
Habitat restoration
Small scale fisheries
Fishermen community

ABSTRACT

COVID-19 pandemic is a serious threat for mankind having an extensive socio-economic impact. However, it is considered as an unfortunate event with some positive environmental effects where nature is retrieving itself. The water quality index in different places of the world was reported to be improved during the lockdown, which in turn whipped up the regenerative process of fishes, sea turtles, marine mammals, and aquatic birds. Additionally, ecologically sensitive areas such as mangroves and coral reefs were also seen rejuvenating during COVID-19 seal off. But these favourable implications are temporary as there is an unexpected surge in plastic waste generation in the form of PPE kits, face masks, gloves, and other healthcare equipment. Moreover, the outbreak of the pandemic resulted in the complete closure of fishing activities, decline in fish catch, market disruption, and change in consumer preference. To address these multidimensional effects of the COVID-19 pandemic, government organizations, NGOs, and other concerned authorities should extend their support to amplify the positive impacts of the lockdown and reduce the subsequent pollution level while encouraging the fisheries sector.



ABHIJIT
MALLIK

FRM-PB9-02

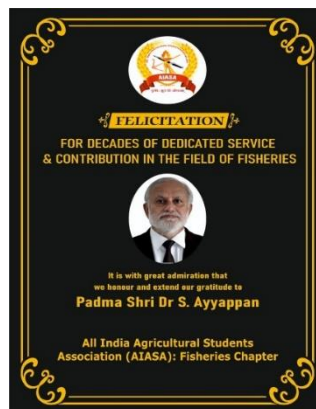
IMPACT FACTOR:

4.315

REPORT ON AIASA: FISHERIES CHAPTER

REPORT ON AIASA: FISHERIES CHAPTER

AIASA: Fisheries Chapter cabinet members felicitated Padma Shri Dr. S. Ayyappan, former Director of ICAR CIFE and Director General of DARE-ICAR New Delhi, for his decades of dedicated service and contribution in the field of fisheries on 28th August 2022.



AIASA: Fisheries Chapter member Mr. Mohammed Meharoof, Vice Chairman (West Zone), received the "Student of the Year Award 2022" on the occasion of the International Conference on "Advances in Agricultural and Food Systems Towards Sustainable Development Goals."



**Mr. Mohammed Meharoof,
Vice Chairman**

[illegible]

In the presence of our AIASA: Fisheries Chapter members, Dr. C. N. Ravishankar Sir, Director & Vice Chancellor, ICAR CIFE-Mumbai, and Dr. Narottam Prasad Sahu sir, Joint Director, ICAR CIFE-Mumbai, released the poster and brochure for the TRPSF National Conference: 2023. This is the first time AIASA's Fisheries Chapter has collaborated with COF, Kisananj, for the joint organization of the National Conference on "Transforming Rural Poverty to Prosperity Through Sustainable Fisheries".



First Circular

National Conference

on

Transforming Rural Poverty to Prosperity through Sustainable Fisheries

&

Fish Fair

19th – 21st July, 2023

at

College of Fisheries, Kishanganj
(Bihar Animal Sciences University, Patna)

Organized By

College of Fisheries Kishanganj Alumni Association
(CORFSA)

In collaboration with

All India Agricultural Students Association (AIASA)- Fisheries Chapter

Abstract Submission
Opens
12th July, 2023

Abstract Submission
Ends
14th July, 2023

Full Length Paper
Submission Ends
16th July, 2023

Presentation for
Abstracts
17th July, 2023

Abstracts
Presentation
18th July, 2023



Students Science Village

A National Level Competition for BGPSC Students

Background:

It aims at nurturing enthusiasm among students to develop technology for alleviating poverty and hunger through sustainable fisheries. This competition will be organized along with the mega event, National Conference on "Transforming Rural Poverty to Prosperity through Sustainable Fisheries" (TRSP-2022) during 19-20 June, 2022 organized by College of Fisheries, West Bengal Agricultural University (COFRAU) in collaboration with AASA-Fisheries Chapter.

Theme of Competition

Fostered Priority Initiatives in Fisheries Rural Poverty to Prosperity

Guidelines for Participation:

Students from all the colleges can participate along with a mentor (supervisor). But only one person per college can participate with the limited for submission. The submission of the project should be made on or before 15th June 2022. The on-campus accommodation will be provided to students (free of cost).



Awards

Top three projects will be awarded with Medal, Certificate and Cash Prize.

All the participants will receive competition participation certificate.



Dr. B. K. Saha
Dean, College of Fisheries
West Bengal Agricultural University
Howrah-746002

Contacts for Correspondence:

Dr. (Sp)Rahul
Coordinator, Students Science Village
Phone: 98304 22222
Email: rahul@wbaa.ac.in

Mr. Manojkumar Pal
Secretary, AASA Fisheries Chapter
West Bengal Agricultural University
Howrah-746002

Click here to download

Last date for submission of entries: 15.06.2022

*Students who are unable to attend the event should mail the project to

Young Scientist Conclave-2023

(Beltline of Cutting-Edge Fisheries Research)

BACKGROUND

Young Scientist Conclave is designed to provide a platform for Academic, Professional and Industrial Scientists to present their research outcomes based on PhD thesis. The event is meant to recognize the best young researchers in Fisheries and to highlight the significance of PhD research outcomes in building aptitudes in the field of fisheries and aquaculture. This competition will be organized along with the 46th Annual Conference of the Indian Association of Fish Pathologists (IAFP-2023) and Sustainable Fisheries (ISFP-2023) during 19-20 July 2023, organized by College of Fisheries, Mangalore Institute of Technology & Engineering in collaboration with Anna University.

ELIGIBILITY

Applicant should have completed Ph.D. in the field of fisheries science from ICAR Institutes/ICARs/State/ Central Universities/ AIIMS/ IITs are eligible to participate in this event.

GOALS

- Researchers are informed to send the applications in the standard format to youngscientistconclave@gmail.com
- Researchers are encouraged to present and read their research papers and present oral presentations/ poster presentations should be made by all other attendees
- After presentation by eminent jury, best 10 research papers will be invited for presentation during IAFP-2023

AWARDS

The best three Young Scientists National Level will be awarded with Medal, Memento and Cash Prize.



Click here to download application form.



CONTACTS for Correspondence

Dr. V. S. Suresh
 Dr. S. S. Suresh
 Dr. S. S. Suresh
 Dr. S. S. Suresh



Organizing Dates

19-20 July 2023
 19-20 July 2023
 19-20 July 2023

*We thank our entire “CIFE PARIWAR”
for loving and supporting us.*

-Team PGSSU



Post Graduate School Students Union (PGSSU)
ICAR-Central Institute of Fisheries Education
 (University under Sec.3 of UGC act 1956)
 Indian Council of Agricultural Research
 Panch Marg, Off Yari Road, Versova, Andheri(W), Mumbai - 400 061