Annual Report

Department of Botany Year: 2023-24 Baselian Orchids-Botany Association

A Quality Assurance Venture of the IQAC

1

Baselius College, Kottayam

#### **Certificate Page**

This is to certify that the following is a bonafide record of activities and achievements of xxx Club for the academic year 2020-21. Necessary supporting documents have been attached wherever possible.

Dr. Krishnaraj M.V.

Teacher-in-charge

Verified

IQAC Co-ordinator.

Counter-Signed by

PRINCIPAL

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# Part – A

1.1 Name of the Club	: BASELIAN ORCHIDS-BOTANY ASSOCIATION
e-mail address	: botany@baselius.ac.in
Social media details	: https://www.instagram.com/baselius_botany/
Name of the teacher in charge	: Dr Krishnaraj M.V.
Name of the Club Secretary	: Adithya Ajay and Niranjan Biju
Contact Nos.	:9995107714

S1 No	Name of the member	Designation/ Class/ Position	
1.	Niranjan Biju	D3 Botany- Association Secretary	
2	Adithya Ajay	D3 Botany- Association Secretary	
3.	Devika S.	D2 Botany	
4.	Nripan Chakravarthy PS	D1 Botany	
5	Sreeja Jayan	D1 Botany	
6.	Aswin P shibu	D3 Botany	
7	Abhilash PR	D2 Botany	
8	Abhirami RS	D3 Botany	
10	Lakshmi	D2 Botany	
11	Saniga Sajeev	D2 Botany	
12.	Adithyan K	D1 Botany	

# 1.2 **Executive Committee Details**

Sl No	Date of the Meeting	No of participants
1		

(Soft copy of minutes signed by Secretary, Teacher in charge to be submitted)

1.3. Plan of Action

Plan of Action	Proposed Date/ Month	Status of attainment at the year end
Thematic celebration of World Environment day	June first week-2023	Yes
Orientation class -Entrepreneurship	July first week-2023	Yes
Botany Association- Baselian Orchids- Inauguration	Second week of August 2023	Yes
Skill development- workshop-flower arrangement	October-Third week-2023	Yes
World Mushroom day- Photography contest	October second week-2023	Yes

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Skill development classes-With KVK	November- second week, January first week-2024	Yes
STEPS- Alumni interaction	Second week of December 2023	Yes
KBS-Inter- collegiate quiz- prelimnary round	First week January-2024	Yes
Prof. T Abraham Varghese Memorial Lecture Edition 2	Second week of January 2024	Yes
Dr AP Mani Memorial Inter collegiate quiz	Second week of January 2024	Yes
Career orientation	First week of February-2024	Yes
Millet day awareness with Millet Mission, Kerala	February first week-2024	Yes
PMRF Scholar lecture series	February 2024	Yes

Part – B

Part B – 2.1 Talks/Lectures/ Workshops Conducted-05
2.2a Competitions Organised within the College- Nill
2.2b- Inter-Collegiate Competitions Organised - 03
2.3- Cultural Programmes Organised- Nil
2.4 – Extension and Outreach Programme Organised -Nil
2.5- Skill Development Courses Organised-03

2.6- Certificate Programme/ Diploma Organised -Nil
2.7 Student Participation and Achievements outside-27
2.8- Any Other activity/point worth mentioning -04

#### 2.1 Talks/Lectures/ Workshops Organised/ Conducted

#### Summary: FIVE PROGRAMMES-

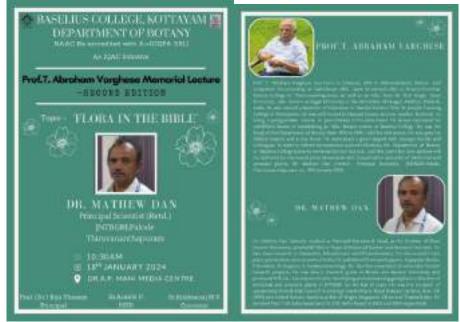
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Sl No	Title of the Programme	Name of the Resource Person	No. of participants	Links available if any
1	Memorial Lecture- Prof. T Abraham Varghese memorial lecture-edition 2	Dr. Mathew Dan	94 participants	
2	Workshop- Biodegradable waste management	Dr. Nibu A George	30 participants	
3	Talk- Mental Health and Adolescence	Mr. Jayakrishnan K.	56 participants	
4	Talk- Millet day awareness with Millet Mission, Kerala	Sri. Deepalayam Dhanapalan	66 participants	
5	PMRF Scholar lecture series-1-4	Ms. Mabel Maria Mathew	58 participants	

#### 2.1.1- Report of Prof. T Abraham Varghese Memorial Talk- Edition 2

Prof. T. Abraham Varghese was born in February 1933 in Pathanamthitta district and completed his schooling at Catholicate HSS. Later, he earned a BSc. in Botany from Mar Ivanios College in Thiruvananthapuram, as well as an MSc. from Dr. Hari Singh Gour University, also known as Sagar University or the University of Saugor, Madhya Pradesh, India. He also earned a Bachelor of Education in Natural Science from St. Joseph Training College in Mannanam. He was well-versed in classical botany and has worked tirelessly to bring a postgraduate course in pure botany to his alma mater. He always expressed his unfulfilled dream of establishing an MSc. Botany course at Baselius College. He was the Head of the Department of Botany from 1976 to 1993, until his retirement. He was good in biblical matters and a true theist. He maintained a good rapport with younger faculty and colleagues. In order to refresh his memories and contributions, the Department of Botany at Baselius College organized a memorial lecture, and invited renowned

plant taxonomist, Dr. Mathew Dan (retired scientist), JNTBGRI-Palode, Thiruvananthapuram, on January 18<sup>th</sup>, 2024.The meeting began with a prayer by Ms. Saniga Sajeev, second-year BSc. Botany student., followed by a floral tribute to the departed soul. Dr. Arabhi P., Head of the Department of Botany (i/c), welcomed the gathering., followed by the presidential address of the Principal, Prof. Dr. Biju Thomas. Dr. ME Kuriakose, Secretary, MOC Colleges made a reminiscence. Dr. Krishnaraj MV., Coordinator of the Second Edition, introduced Dr. Mathew Dan, Retired Scientist, JNTBGRI, to the audience. Dr. Dan delivered the keynote address on the topic "Flora in the Bible". Finally, Dr. Krishnaraj MV proposed a vote of thanks. The family members of the late professor were present, and they expressed their gratitude to all colleagues.



Brochure of Prof. T. Abaraham Memorial Lecture-Edition 2-2023-24



#### Photos of the event



#### 2.1.2- Observance of World Environment Day 2023 -<u>Theme: Beat Plastic Pollution Sub</u> <u>Theme: Waste to Biomass-</u> REPORT- WORKSHOP ON BIODEGRADABLE WASTE MANAGEMENT (5<sup>th</sup> June 2023)

As part of the World Environment Day celebrations, the Department of Botany, Baselius College organised a workshop under the title Waste to Biomass on 05.06.2023 at the Botany laboratory. The programme started after a welcome speech by Dr Krishnaraj M.V., Association teacher incharge 2023-24, stressing the need of waste management at source itself. He also introduced the resource person, Dr Nibu A. George, Assistant Professor, Department of Physics, Baselius College, Kottayam. Dr. Nibu brought all the materials to make a biodegradable bin. With the help of students, the resource person assembled a low-cost bin. The biodegradable waste materials are processed with the help of Black Soldier fly Larvae. Following lectures, active discussion and discourse by students and faculty members happened, which made the session lively. Mr. Niranjan Biju, Association Secretary, proposed a vote of thanks. Out put: Students, along with the resource person, have made a low-cost bin for the processing of biodegradable waste by using soldier fly larvae. They also received practical instruction in the construction of a biodegradable waste management.

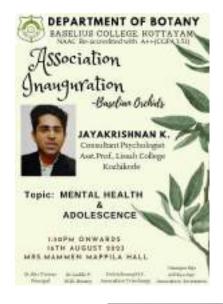


Dr. Nibu A. George, Assistant Professor, Department of Physics, Baselius College, Kottayam leading the workshop on Biodegradable waste management using Black Soldier Fly larvae dated 05.06.2023 @ Department of Botany, Botany Laboratory, Kottayam

#### 2.1.3-<u>Report of talk on Mental Health and Adolescence by Mr.Jayakarishnan K., Psychologist in</u> <u>charge</u>,

#### Govt. College, Nattakom

On August 16<sup>th</sup>, 2023, the Baselian Orchids, Botany Association 2023–24 held its official opening. Ms. Saniga Sajeev, a second-year botany student, opened the meeting with a prayer. Dr. Krishnaraj MV, the association teacher in charge greeted everyone and gave a brief overview of what was going to happen. The head of the department (i/c) of Btany, Dr. Arabhi P., gave a presidential speech before lighting the lamp. Vice Principal Prof. Dr. Jyothimol P., gave a felicitation speech. In his discussion on mental health and adolescence, Mr. Jayakrishnan K., the psychologist in charge of Govt. College, Nattakom, covered a variety of topics that adolescents encounter nowadays. He believed that in order to succeed in life, one must have good mental health. The Association Secretary, Ms. Adithya Ajay, proposed a vote of thanks.

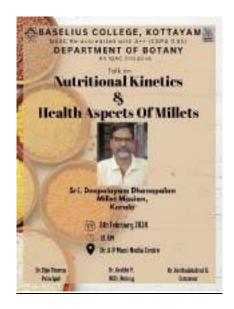


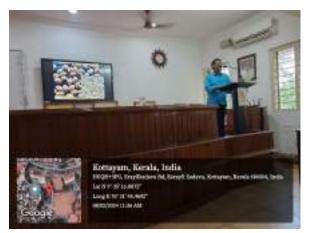


*Mr. Jayakrishnan K., Psychologist in charge, Govt. College, Nattakom officially inaugurating the program and leading the class* 

#### 2.1.4. Report of aTalk- Millet day awareness with Millet Mission, Kerala

Millet is a good source of protein, fiber, key vitamins, and minerals. The potential health benefits of millet include protecting cardiovascular health, preventing the onset of diabetes, helping people achieve and maintain a healthy weight, and managing inflammation in the gut. Millet is an adaptable grain. The United Nations General Assembly at its 75th session in March 2021 declared 2023 the International Year of Millets (IYM 2023). FAO is the lead agency for celebrating the Year in collaboration with other relevant stakeholders. Millets can grow on arid lands with minimal inputs and are resilient to changes in climate. They are therefore an ideal solution for countries to increase self-sufficiency and reduce reliance on imported cereal grains. In order to give an awareness about the benefits of millets in daily life the department of Botany, Baselius College has conducted an awareness lecture entitled as Nutritional Kinetics and Health aspects of Millets by Sri. Deepalayam Dhanapalan, Millet Mission, Kerala on 8.02.2024 at Dr AP Mani Media Centre. The health aspects of millet food and various culinary preparations were dealt in detail and doubts of students were cleared. 66 students from various departments were actively participated in this program.





Sri. Deepalayam Dhanapalan, Millet Mission Kerala is speaking to students

#### 2.1.5- Report of PMRF Scholar lecture series 2023-24

To instil scientific awareness among students and introduce them to the immense possibilities of research department of botany welcomed PMRF fellow Ms Mabel Maria Mathew to engage classes to final year BSc. Botany students during their 6<sup>th</sup> semester. She covered various topics of Molecular biology like experiments proving the structure of DNA, Transcription, Translation, gene expression, and Gene Regulation. She had shared first-hand knowledge on the latest cutting-edge technology, pioneering discoveries and novel thoughts in the field of science and technology to students. She took classes on 5.02.2024, 6.02.2024, 8.02.2024 and 15.02.2024, covering majority of the topics in cell and molecular biology.



Ms. Mable Maria Mathew-PMR Fellow is taking the class for final yaer BSc. Botany students

#### 2.2a Competition Organised within the college -nill

# Summary : 0

Sl No	Title of the Programme	Nature of the programme	No. of participants

#### 2.2b Inter-Collegiate Competition Organised -03

#### Summary : Three programmes

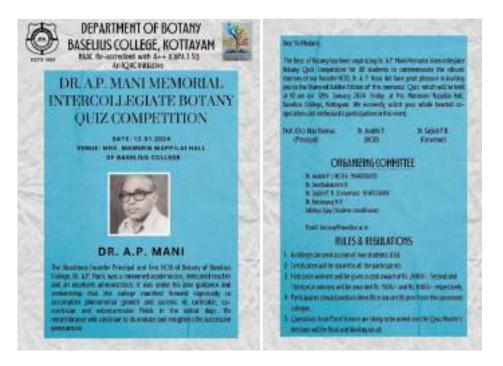
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S1 No	Title of the Programme	Nature of the programme	No. of participants
1.	Dr AP Mani Memorial Inter collegiate quiz	Inter collegiate Botany quiz competition	36
2	Inter collegiate Botany quiz by Kerala Botanical Society(KBS)	Inter collegiate Botany quiz competition- Purple zone(Pelimnary round)	08
3	World Mushroom day- Photography contest	Inter Collegiate and open to public	112

#### 2.2.b.1. Report of Dr AP Mani Memorial Inter collegiate quiz 2023-24

Botany is the study of plants within the field of biology. It can be subdivided into the fields of morphology, physiology, ecology, systematics etc. Botany is important because it provides the basis for our understanding of how to produce crops which provide food and fabrics. To inculcate interest and enthusiasm in the field of botany, department of botany, Baselius college, Kottayam organised all Kerala inter collegiate botany quiz competition after the name of founder Principal and First Head of the department of Botany, Dr AP Mani entitled as "Dr AP Mani Memorial Inter collegiate Botany quiz". It was held on 12.01.2024 at Mrs.Mammen Mappillai Hall of Baselius College, Kottayam after a preliminary round of elimination. Dr Sajish PR, Assistant Professor Dept. of Botany was the convenor and Ms. Adithya Ajay was the student coordinator. 11 colleges registered for the event. Ms. Arya Sabu and Ms. Bhavya Balagopal of the Department of Botany, CMS College Kottayam bagged first prize, followed by Ms Swathy G and Ms. Bhadra

Krishnakumar of the Department of Botany, Catholicate College, Pathanamthitta, and Ms Anjana M Sabu and Ms. Gowri Gireesh of the Department of Botany, Nirmala College, Muvattupuzha were bagged second and third prize respectively. Dr. Maya S. Nair, Assistant Professor and Head of the Department of Botany, NSS College, Cherthala was the quiz Master.

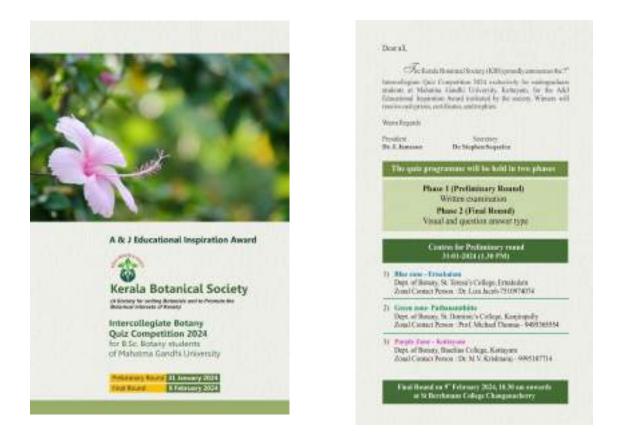




Dr. Maya S Nair, Assistant Professor, Department of Botany, NSS College, Cherthala as the quiz master Of Dr AP Mani Memorial Inter collegiate quiz

# 2.2.b.2. Inter collegiate Botany quiz by Kerala Botanical Soceity(KBS)-Prelimanry round purple zone

Department of Botany, Baselius College, Kottayam has conducted Preliminary round of quiz competition after Kerala Botanical Society (KBS) on 31.01.2024 at Botany Laboratories. Eight participants from four colleges under the purple zone were participated. Dr Krishnaraj MV., Assistant Professor, Department of Botany, Baselius College, Kottayam coordinated the event. The questions were received online prior to the starting of competition. Out of four teams, CMS College Kottayam was selected from the purple zone to participate in the final event at SB College, Changanacherry.





Students attending preliminary round of KBS quiz –purple zone at Botany laboratory

#### 2.2.b.3. Report of World Mushroom day-Photography contest-2023-24

Department of Botany, Baselius College in association with Baselian orchids observed World Mushroom day on 15 th October 2023. Two programmes were arranged with special emphasis to Fungi. Association representatives and students were decided to build a model depicting Fungi and an inter collegiate mushroom photography contest to be held online. Students made a model using degradable thermocol and paper and exhibited in front of the department. We have received 112 registrations from Kerala and adjoining states. From the selected Mushroom photographs, Dr Ratheesh S, JNTBGRI, Palode has bagged First prize for his photograph of *Phallus indusiatus* and Akhila Raj of the department of Botany, St.Thomas College, Kozhencherry got second place for her photograph of *Coprinellus disseminates*.





Student activity- Mushroom model preparation by association

# 2.3 Cultural Programme Organised

# Summary : Nil

Sl No	Title of the Programme	Nature of the programme	No. of participants

#### 2.4 Extension/Outreach Programme Organised

# Summary :

Sl No	Title of the Programme	Nature of the programme	No. of participants

#### 2.5 Skill Development Programme/ Courses Organised

### **Summary: Three programmes**

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Sl No	Title of the Programme	Nature of the programme	No. of participants
1	Skill development- workshop-flower arrangement	Skill development programme	44
2	Skill development course-in connection with KVK-Agribased microenterprises	Skill development course	21
3	Orientation class – Product development training programm	Skill/entrepreneurship development programme	67

#### 2.5.1. Report of skill development workshop on Flower arrangement 2023-24

In order to spend leisure time effectively and as part of curriculum extension, department of Botany, Baselius college, Kottayam has organized a training in flower arrangements especially to faculties of various departments and open course students of 2023-24 batch on 19.10.2023. Dr. Smitha S., of the department of Botany, CMS College, Kottayam was served as the resource person. The programme was started with a briefing by the resource person through PPT session about various tools and techniques employed in flower arrangements. Followed by this, students were trained buquet making and various other flower arrangement styles by the resource person. 44 students and various faculty members were present during the training session. The bouquets were then distributed to various departments as an exhibit.





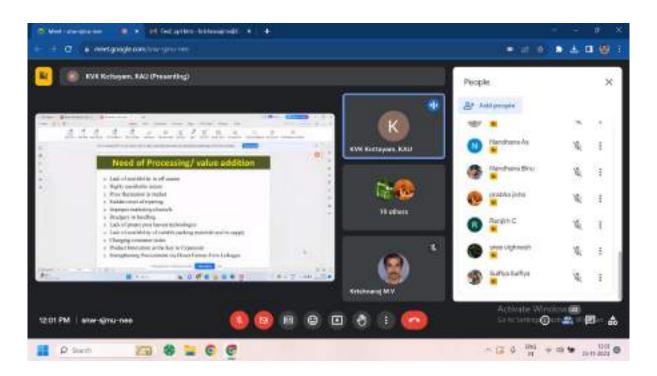
# 2.5.2. <u>Report of Skill development course-in connection with Karshika Vigyan Kendra-Kumarakaom-Agribased microenterprises</u>

In order to impart skill in botany related topics to undergraduates, department of Botany, Baselius College, Kottayam has started a collaborative learning venture with Karshika Vigyan Kendra-Kumarakomentitled as Agribased microenterprises. A syllabus of 30 hrs will be covered either offline or online. During the 2023-24 academic year Dr. Jisha A Prabha and Dr Manuel Alex, Assistant Professors, Department of Horticulture, KVK Kumarakom are the resource persons. They have covered various topics included in the syllabus with special emphasis to hands on training in food processing and artificial vegetative propagation techniques of crop plants. Students got hands on experience in various food processing methods such as jam, jelly preparations and how to store and sell it in the market etc.

22



Dr Manuel Alex , KVK, Kumarakom handling the session



Online class of Dr. Jisha A Prabha, KVK Kumarakom, Kottayam in connection with Skill development course



Hands on training in connection with skill development course in Agribased microenterprises by KVK,

Kuamarakom-Kottayam

#### 2.5.3. Report of Orientation class on Product development training program

Entrepreneurship is the process of turning a concept into a developed product. Understanding the significance, it can help you to decide your career path. The importance of entrepreneurship in career development is demonstrated by a group of youngsters under Zaara Biotech on 16.06.2023 at Educational Technology Seminar Hall. Zaara biotech is a Biotechnology Start-up company established in 2016 focusing on Research in Energy and Food crisis using Micro- Algae. In collaboration with the Indian Council of Agriculture and Research-CIFT Cochin, Govt. of India, The company is manufacturing India's First Algal- Seaweed Food products and other FMCG products to ensure complete family care. It was a joint programme with the department of Zoology. 67 students from both the departments were attended the program. The team gave insight into the development of an idea and its fulfilment to a product and later space in the market.





Product development training as part of entrepreneurship by Zaara Biotech

#### 2.6 Certificate Course Conducted, if any

# **Summary -Nil**

Sl No	Title of the Certificate Course	Number of Students Registered	No. of Students who successfully completed the course

#### 2.7 Student Participation and Achievement – Outside College

# https://drive.google.com/drive/u/1/folders/1t3x8tCjmr0PHHt\_UHIKzwLhouBAPpax3

SI N o	Name of the Student	Class	Emai 1	Programm e organised by with title of the Programm e	Date of the Programm e	Nature of achievement (Participation/ Position to be specified) )	Whether certificat e attached
1	Fathima Nasla,	D2 BOTAN Y			26 <sup>th</sup> -3 <sup>rd</sup> March 2024	Second A grade - installation in university youth festival-We the People of India-2023-24	attached as separate file(see the link to the drive
2	Nayana S Bharathan	D2 BOTAN Y			26 <sup>th</sup> -3 <sup>rd</sup> March 2024	Second A grade - installation in university	attached as separate file(see

				youth festival-We the People of India-2023-24	the link to the drive
3	Devika S	D2 BOTAN Y	26 <sup>th</sup> -3 <sup>rd</sup> March 2024	Second A grade - installation in university youth festival-We the People of India-2023-24	attached as separate file(see the link to the drive
4	Seethal MS	D2 BOTAN Y	26 <sup>th</sup> -3 <sup>rd</sup> March 2024	Second A grade - installation in university youth festival-We the People of India-2023-24	attached as separate file(see the link to the drive
5	Nayana S Bharathan	D2 Botany	26 <sup>th</sup> -3 <sup>rd</sup> March 2024	A Grade- Thiruvathira kali	attached as separate file(see the link to the drive
6	Abhinav Shaji	D3 Botany	26 <sup>th</sup> -3 <sup>rd</sup> March 2024	A Grade- Cartooning	attached as separate file(see the link to the drive
7	Namitha Agnes Soy	D2 Botany	26 <sup>th</sup> -3 <sup>rd</sup> March 2024	A-Grade- Hindi Recitation	attached as separate file(see the link to the drive

8	Nripan Chakravart y	D1 Botany		26 <sup>th</sup> -3 <sup>rd</sup> March 2024	A-Grade- Duffmuttu	attached as separate file(see the link to the drive
9	Abin Ponnachan	D3 Botany		22-29 <sup>th</sup> Dec-203	All india Boys Trekking EXPEDITIO N-2023-NCC	attached as separate file(see the link to the drive
10	Drisin P Sabu	D2 Botany		14-25 <sup>TH</sup> Feb 2024	Army attachment Camp-NCC	attached as separate file(see the link to the drive)
11	Niranjan Biju			23 <sup>RD</sup> May to 4 <sup>th</sup> June 2023	National Campagin on updating cum verification of PBR	
12	Abin Ponnachan			23 <sup>RD</sup> May to 4 <sup>th</sup> June 2023	National Campagin on updating cum verification of PBR	
13	Akhil B			29 <sup>th</sup> September 2023	One day workshop on students projects by TIES	
14	Nandhana R			29 <sup>th</sup> September 2023	One day workshop on students projects by TIES	

		I		,
15	Aparnamol V Shibu		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
16	Abhirami RS		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
17	Niranajan Biju		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
18	Dheeraj PB		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
19	Sreejith MK		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
20	Muhamma d Ashiq		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
21	Firoz Kabeer		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
22	Hariharan S		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES

23	Aswin P Shibu		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
24	Adithya Ajay		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
25	Nesrin Fathima		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
26	Muhamma d Vadood		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES
27	Abin Ponnachan		29 <sup>th</sup> September 2023	One day workshop on students projects by TIES

\*\*(Softcopy of certificates to be attached) attached as separate file(see the link to the drive)

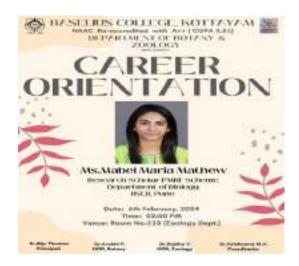
Sl No	Title of the programme	Number of Students Registered	Link if any
1	Career Orientation to Biology students	77	
2	STEPS-ALUMNI INTERACTION	52	
3	Study tour	D3 AND D2 BOTANY STUDENTS	
4	QR Code labelling of campus trees	ALL D3,D2 AND D1 students	

#### 2.8 Any Other activity/point/ initiative worth mentioning

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#### 2.8.1. Report of Career Orientation to Biology students 2023-24

Ms. Mabel Maria Mathew was a PMRF scholar who visited our department of Botany as part of her teaching internship during the first week of February 2024. She engaged students to various portions of Molecular biology and also as part of her internship opened the door of various career opportunities to Biology students. A combined programme was organised by the department of Botany and Zoology of Baselius College, Kottayam on 6.02.2024. Dr Krishnaraj MV., Assistant Professor, Department of Botany, introduced Ms. Mathew to the audience. She was a PMRF scholar since 2020 and currently received the grant of European Molecular Biology Organisation(EMBO). She beautifully handled the session and cleared all doubts of students.



#### 2.8.2. Report of STEPS- Alumni interaction 2023-24

In order to strengthen the confidence of botany graduates we have started a new interactive program using successful graduates from our department and the first session was by Mrs. Elizabeth Reeta Raju on 15.12.2023 at Botany laboratory. She made a chat with First, Second and Third year Botany students and motivated them to pursue a career in Botany. Mrs. Elizabeth Reeta Raju was graduated from the department of Botany, Baselius College, Kottayam in 2015 and completed her MSc. in Biotechnology from Vellore Institute of Technology(VIT). Currently she is working as a Regulatory Affairs Specialist, demonstrating a remarkable proficiency in analysis with 6 years of hands-on experience in regulatory affairs, research, and development in the biopharmaceutical sector. She embarked on her career as a research scientist in upstream process development. Through this journey, she got an opportunity to navigate the intricacies of biopharmaceutical regulations globally, and today she adeptly oversee regulatory strategies and approvals for a US-based client within the sphere of global health organizations. Regulatory affairs professionals in the biologic industry are responsible for understanding and interpreting regulations and guidelines set forth by regulatory authorities. They ensure that biologic products and their associated documentation meet all necessary requirements.



<u>2.8.3. study tour</u> <u>https://drive.google.com/drive/u/1/folders/1t3x8tCjmr0PHHt\_UHIKzwLhouBAPpax3</u>



Field trip to Thirumullavarum-Sambranikodi area by D2 botany students to collect algae and familiarisation of coastal vegetation especially mangroves dated 12.08.2023



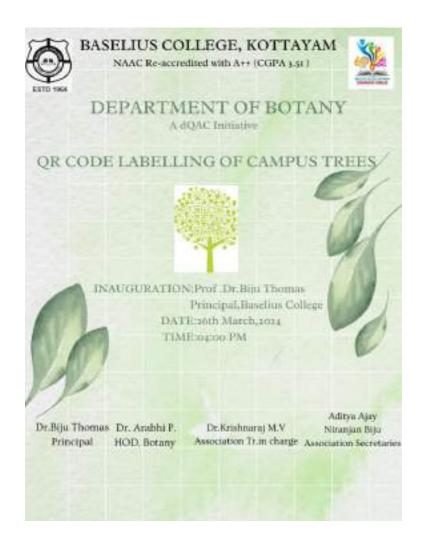
Field trip to Vagamon by D1 Botany students to collect plant diversity dated 12.09.2023



Field Trip to Chennai-Mahabalipuram by D3-Botany students to collect flowering plant diversity dated 11.02.2024 2.8.4 **Report of OR Code labelling of Campus trees-2023-24** 

As part of Diamond Jubilee celebrations of Baselius college, Kottayam, department of botany initiated the labelling of campus trees with unique identification system known as QR Code labelling. The QR code is linked to the website database containing all tree species information. The generated QR codes were attached to trees, and when scanned, the website is automatically launched and the tree information is retrieved. The program was inaugurated by the Principal Prof. Dr.Biju Thomas on 16.03.2024 at 4.00 P.M. by tagging the

trees like Simarouba glauca infront of the Chemistry department, followed by Prof. Dr.Jyothimol P., Vice Principal labelled our Monoon longifolium infront of the college. This unique labelling will help students as well as public who are in the campus to know more about the identity of various tree species in the campus via linked details.





Principal Prof. Dr. Biju Thomas inaugurates the QR Code labelling of campus trees

2.9-1. Saira Sabu of D1 Botany has participated in two day skill development workshop on cosmetics and home care products manufacturing organised by the department of chemistry and centre for research on 6-7<sup>th</sup> October 2023(CERTIFICATE ATTACHED)

2. Saira Sabu and Sreeja Jayan has won third place for Idea pitching competition held as a part of two days Entrepreneurs conclave held by Baselius College, Kottayam on 25th-26th March 2024

https://drive.google.com/drive/u/1/folders/1t3x8tCjmr0PHHt\_UHIKzwLhouBAPpax3

Teacher-in-charge of the club

General Co-ordinator- Club Activities

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Appendix