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**S.I.C.E. SOCIETY'S DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE,
AMBERNATH (W)**

Date: 27/02/2018

**Report on
"One Day Seminar Biophysics"**

The Department of Physics of South Indian Children's Education Society's Degree College of Arts, Science and Commerce, organized a One Day Seminar on Biophysics, in collaboration with Indian Association of Physics Teachers (IAPT) Mumbai, (R.C.) on 24th February, 2018. The Chief Guest for the seminar was Prof. Pandit B. Vidyasagar, Honorable Vice-Chancellor, S.R.T.M. University, Nanded. The Inauguration of seminar was in the presence of Shri. K.M.S. Nair, President and Committee members of S.I.C.E. Society. Honorable President, Shri. K.M.S. Nair threw light on establishment of our institution and about its various achievements. He also congratulated all the organizers and heartily welcomed all the participants.

Dr. Harshal M. Bachhav, I/c Principal welcomed all the Dignitaries and the Participants. Dr. Vaishali Bambole, Head Department of Physics, University of Mumbai, gave a brief idea about role of nano materials & recent technological advances in nano-robots, nano-chips, & conductive textiles etc. Dr. C.D. Marathe, Principal of Dhyansadhna College, Thane, and Dr. V.K. Mishra, Former Principal of Saket College, Kalyan, addressed the audience with their inspirational words. Prof. Kalpana Sule, Regional President, IAPT Mumbai, (R.C.) gave information about the work profile & the functioning of IAPT Mumbai, (R.C.). Prof. Rekha Ghorpade, Treasurer IAPT Mumbai, (R.C.), explained about the various activities carried out by IAPT Mumbai, (R.C.).

Dr. Digambar M. Sapkal, Convener of the Seminar, familiarized the audience with our College, the various courses provided and also about the various activities conducted in college. A total of 145 participants including students and faculties from different colleges and universities across the state attended the seminar. Asst. Prof. Rakhi Gulati introduced and welcomed Chief Guest for the first technical session.

In key-note address, Prof. Pandit B. Vidyasagar, explained about the role of Biophysics in the biological processes. Sir elaborated about the various concepts of physics that are correlated in the biological systems and concluded the session by throwing light on the recent researches in the field of Biophysics.

The second technical session was started by Dr. Jacinta S. D'Souza from Department of Atomic Energy, C.E.B.S., Kalina University of Mumbai. Madam gave a brief introduction on the

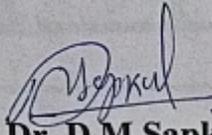


structure and functions of a cell & elaborated about her work on *chlamydomonas reinhardtii*, as a model system to study the proteins involved in the ciliary defect in humans.

The third technical session was started by Dr. Santosh Bhaskaran of V.E.S. College of Arts, Science & Commerce, Chembur, Mumbai. Sir explained about the effect of Gravitational force on the growth of biological organism & elaborated his study on the effect of altered gravity on simulated microgravity on insects, plants and humans.

The fourth session was taken by Prof. Anand S. Ambardekar, from S.I.E.S College of Arts, Science and Commerce, Sion (W.), Mumbai. Sir elaborated on various online resources available in the subject of Biophysics which are very useful for the teachers and as well as the students.

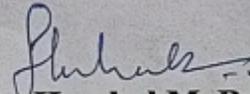
Dr. Vijay Joshi, Principal, K.J. Somaiya College and Dean, Faculty of Science and Technology, University of Mumbai, was the Guest of Honor for the valedictory function. He briefly talked about the recent researches, the Nobel laureates in biophysics & about its role in technological advancements. He concluded his talk by advising the students to use the technology for the right cause. The event came to an end by 5:00 pm by reciting the National Anthem.



Dr. D.M Sapkal

Convener

HEAD DEPARTMENT OF PHYSICS
SICES DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE
JAMNOL PHATA, AMBERNATH (W)



Dr. Harshal M. Bachhav

I/c Principal

I/c Principal
S.I.C.E.S. Degree College of Arts, Science & Commerce
Ambernath - 421505



About Institute

South Indian Children's Education Society popularly known as S.I.C.E.S. established in 1943 by **Late Shri. N. Shankaran Nair (Founder)** has emerged as a prime institution in Ambarnath Taluka of Thane District. The College is located at Jambhul Phata, Chikhholi, Ambarnath(W). It is surrounded by greenery and serenity. S.I.C.E.S. Degree College of Arts, Science & Commerce is affiliated to University of Mumbai. It was established in the year 2009 in order to fulfill the needs of students from remote area. It offers various courses like Arts, Science, Commerce, Management(BMS), B.Com. in Accounting & Finance(BAF), B.Com. in Banking & Insurance(BBI), Information Technology, Computer Science at the undergraduate level. College has well equipped laboratories, rich library, gymkhana and auditorium among other infrastructural facilities.

Department of Physics

The Department offers B.Sc. Program and has achieved 100% result. The department has been organizing a variety of activities which includes lectures by eminent scientists and study tours to create scientific temper among the students. Department offers special guidance to the students for preparation of various competitive examinations. Department is also one of the center for NGP Examination organized by IAPT.

IAPT

Indian Association of Physics Teachers works with aim of upgrading the quality of physics teachers through a mass movement of dedicated teachers. Currently IAPT has over a thousand members across the globe.

Objectives of The Seminar

Biophysics is newly introduced topic by University of Mumbai in the syllabus at B.Sc. level. This One Day Seminar on Biophysics (ODSB-2018) will provide a unique forum for interactions among teachers, students and experts. It will cover wide range of topics under biophysics and its applications. This will be helpful for teachers and students to enhance their knowledge about biophysics.

Registration Fees:

- Faculty Member/Scientists/Industrialist : Rs. 500/-
- Students : Rs. 200/-

Payment Mode Through NEFT/Online:

- Account Holder : SICES Degree college of Arts, Science & Commerce
- Bank Name : Axis Bank Ltd.
- Account Number : 910010018687133
- IFCS Code : UTIB0000771

Payment can also be made by cash

Important Date:

Last date of Registration: **February 22nd, 2018.**

Timing

Seminar Time: 09:00 am to 05:00 pm

Venue

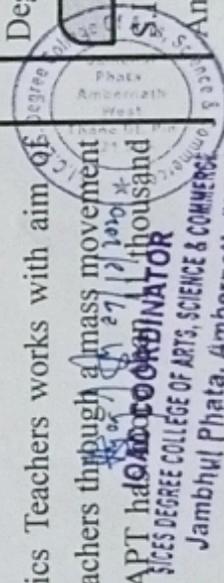
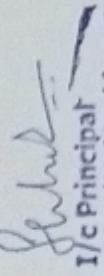
Late Shri. N.Shankaran Nair Memorial Auditorium, 3rd Floor, SICES Degree College, Ambarnath (W)

How to Reach

S.I.C.E.S. Degree College is directly approachable by **3886** from Ambarnath railway station (5 km) and Badlapur railway station (4 km).

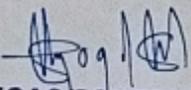
I/c Principal

SICES Degree College of Arts, Science & Commerce

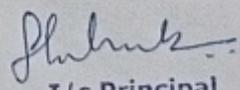


S. I. C. E. Society's
Degree College of Arts, Science and Commerce, Ambarnath (W.)
One Day Seminar on "Biophysics"
24th February 2018 Program Schedule (Tentative)

Timing			
08:30 am – 09:30 am	Reporting / Registration Confirmation & Breakfast		
09:30 am – 10:00 am	Inaugural Function and welcome address of Hon'ble Shri. K. M. S. Nair, President of S.I.C.E. Society, Ambarnath		
	Sessions	Resource Person	Topic
10:00 am – 11:30 pm	Session -I	Key Note Address by Chief Guest Hon'ble Vice-Chancellor Dr. Pandit B. Vidayasagar	Biophysics
11:30 am – 01:00 pm	Session -II	Plenary Lecture : Dr. Jacinta S. D'Souza University of Mumbai & Dept. of Atomic Energy, C.E.B.S., Kalina, Mumbai	Cellular Machine
01:00 pm – 02:00 pm	Lunch		
02:00 pm – 03:00 pm	Session -III	Plenary Lecture: Dr. Santosh Bhaskaran, Vivekanand Education Society's College of Arts, Science & Commerce, Chembur, Mumbai	Biophysics
03:00 pm – 04:00 pm	Session -IV	Plenary Lecture: Dr. Anand Ambardekar, S. I. E. S. College of Arts, Science & Commerce, Sion (W), Mumbai	Biophysics
04:00 pm – 04:30 pm	High Tea and Valedictory Ceremony followed by Certificate Distribution		


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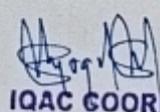



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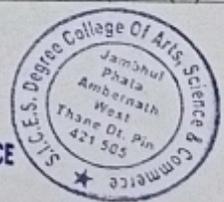
S.I.C.E.S Degree College Of Arts, Science & Commerce Ambarnath (W)-421505
One-Day National Seminar on "Biophysics"
Outside Student Registration List

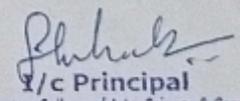
Sr. No.	Name of the Participant	College	Signature
✓ 1. ✓	Swati Saroj	Smt. C. H. M. College Ulhasnagar	Swati ✓
✓ 2. ✓	Kiran Jaisingh	Smt. C. H. M. College Ulhasnagar	Kiran ✓
✓ 3. ✓	Umesh Chanderlal Vazirani	Smt. C. H. M. College Ulhasnagar	Umesh ✓
✓ 4. ✓	Apoorva Pramod Satpute	Smt. C. H. M. College Ulhasnagar	Apoorva ✓
✓ 5. ✓	Kalpesh Satish Gholap	Smt. C. H. M. College Ulhasnagar	Kalpesh ✓
✓ 6. ✓	Damini P. Prajapati	Smt. C. H. M. College Ulhasnagar	Damini ✓
✓ 7. ✓	Tamanna Shaikh	K.V. Pendharkar College	Tamanna ✓
✓ 8. ✓	Santoshi Deorukhkar	K.V. Pendharkar College	Santoshi ✓
✓ 9. ✓	Komal Nikam	K.V. Pendharkar College	Komal ✓
✓ 10. ✓	Manasi Joshi	K.V. Pendharkar College	Manasi ✓
✓ 11. ✓	Maheshwari Gaikwad	K.V. Pendharkar College	Maheshwari ✓
✓ 12. ✓	Meetali Umredkar	K.V. Pendharkar College	Meetali ✓
13. ✓	Gunjan Chavhan	K.V. Pendharkar College	
✓ 14. ✓	Saraswati Marwadi	K.V. Pendharkar College	Saraswati ✓
15. ✓	Aniruddha Gotmare	K.V. Pendharkar College	
✓ 16. ✓	Shreyas Bhat	K.V. Pendharkar College	Shreyas ✓
✓ 17. ✓	Atish More	K.V. Pendharkar College	Atish ✓
✓ 18. ✓	Diksha Bhagat	K.V. Pendharkar College	Diksha ✓
✓ 19. ✓	Reshma Paswan	K.V. Pendharkar College	Reshma ✓
✓ 20. ✓	Mr. Dharm K. Halwar	M.S.G. College, Malegaon	Dharm ✓
✓ 21. ✓	Mr. Somnath A. Wankhede	K.K.W. College, Pimpalgaon	Somnath ✓
✓ 22. ✓	Mr. Nimba B. Kothawade	Kalwan College, Kalwan	Nimba ✓

paid ✓
paid ✓
Reshma s/w ✓
paid ✓
paid ✓
paid ✓

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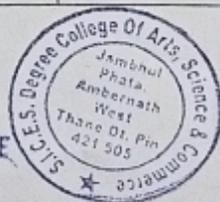

Principal

S.I.C.E.S. Degree College of Arts, Science & Commerce
Ambarnath - 421505

✓ 23.	Snehal Yadav	K.V. Pendharkas College, Dombivali	Snehal ✓
✓ 24.	Dhanashree More	S.P. Dnyasadhana college, Thane	D.R. More ✓
✓ 25.	Monali Lanjad	S.P. Dnyasadhana college, Thane	Monali ✓
✓ 26.	Nayna Pawar	S.P. Dnyasadhana college, Thane	Nayna ✓
✓ 27.	Hera Ansar	G.M. Momin college	Hera ✓
✓ 28.	Aniza Momin	G.M. Momin college	Aniza ✓
✓ 29.	Hajera Khan	G.M. Momin college	HAJERA ✓
✓ 30.	Shital Chavan	J.S.M College Shivle	Shital ✓
✓ 31.	Rupali Deshmukh	J.S.M college Shivle	Rupali ✓
✓ 32.	Pratibha Gaikwad	J.S.M college Shivle	Pratibha ✓
✓ 33.	Jayashree Tohake	J.S.M College Shivle	Tohake ✓
✓ 34.	Prajakta Patil	Dr. S. D. D. college wada	Patil ✓
✓ 35.	Harshala Gore	Dr. S. D. D. college wada	Gore ✓
✓ 36.	Swapnali Patel	Dr. S. D. D. college wada	Patil ✓
✓ 37.	Swati Pashete	Dr. S. D. D. college wada	Patil ✓
✓ 38.	Sugamika Patil	Dr. S. D. D. college wada	Patil ✓
✓ 39.	Suraj Harad	Dr. S. D. D. college wada	Harad ✓
✓ 40.	Mayur. S. wadile	Dr. S. D. D. college wada	Wadile ✓
✓ 41.	Nilesh J. Dhum	Dr. S. D. D. college wada	Dhum ✓
✓ 42.	Vishal R. Khirade	Dr. S. D. D. college wada	Khirade ✓
✓ 43.	Monika S. Waghmode	K.B.P college vashi	Monika ✓

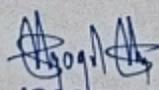
certificates distributed

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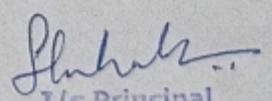


Shubh
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44.	Rajashree S. Chikane	K.B.P. college Vashi	Chikane ✓
45.	Rupali L. Chikane	K.B.P. College Vashi	Chikane ✓
46.	Mayumi. G. Mandhekar	K.B.P. college Vashi	Mayumi ✓
47.	KAJAL Prakash Chikane	K.B.P. college Vashi	Chikane ✓
48.	Mr. Suhas M. Sabnis.	S.R.T.M.U.N Research scholar	Sabnis ✓
49.	Mr. Ravi V. Shinde - spot	S.R.T.M.U.N Research scholar	Shinde ✓
50.	Total Registrations =	45	
51.	Total amount =	45 x 200 =	9000/-
52.	Paid to Aruna Kadam mam on 29/2/2018		
53.			
54.	Recd: <u>Aruna Kadam</u> 29/2/18.		
55.	Time = 11.30 am.		
56.	in presence of Deshmone sir & Santosh sir.		
57.			
58.	Submitted by		
59.	<u>Stain</u>		
60.			
61.	Ms. Prakash Ashok Bhadane	LBS college Dharmabad of SRTMU	Bhadane ✓
62.			
63.	Recd 2600. <u>B</u>		
64.			
65.	Total 9,600.		


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24 FEB 2018

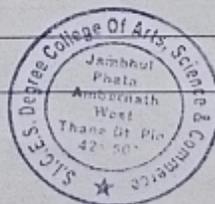
Inhouse Student

S.I.C.E.S Degree College Of Arts, Science & Commerce Ambarnath (W)-421505
One-Day National Seminar on "Biophysics"
Student Registration List

Sr. No.	Name of the Participant	Signature
1.	Chirag Godse ✓	
2.	Bbhaskar S. Swami	
3.	Abhishek D. Dhumal ✓	
4.	Ritesh B. Yashwantrao ✓	
5.	Ankita Anil Salvi ✓	
6.	Sheetal Vishwas Akhade ✓	
7.	Subitha Thambi Durai ✓	
8.	Verma Pooja Sohrat ✓	
9.	Lanjekar Shivali Sudhakar ✓	
10.	Dharmesh Nathulal Meghwal ✓	
11.	Sharma Shikha Rajesh ✓	
12.	Mourya Pooja Prakash ✓	
13.	Rahul D. Yadav ✓	
14.	Pratik Ramchandran Nair ✓	
15.	Shital Namdev Peche ✓	
16.	Atharva Vinay Prabhune ✓	
17.	Shivam Bablu Singh ✓	
18.	Kedare Darshita Kishor ✓	
19.	Kajal Rajendra Mane ✓	
20.	Priya P. Mourya ✓	
21.	Singh Reshma Jaichand ✓	
22.	Singh Karishma Ajay ✓	
23.	Shaikh Azra Mushtaque ✓	
24.	Sushmita Dattu Bundate ✓	
25.	Stephnie P. Sequeira ✓	
26.	Rajkumar R. Mahto ✓	
27.	Bhushan R. Gotarne ✓	
28.	Vikas Omprakash Tiwari ✓	
29.	Khude Kratik Bhausahab ✓	
30.	Rothod Priyanka Prakash ✓	
31.	Jyoti Birbali Singh ✓	

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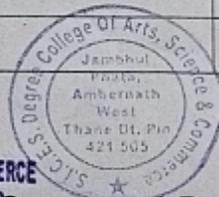
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32.	Vikas Sikarwar	<i>Vikas</i>
33.	Ashish Kailas Mundhe	<i>Ashish</i>
34.	Mahajan Jayesh Ravindra	<i>Jayesh</i>
35.	Pardeshi Akansha Ramprasad	<i>Akansha</i>
36.	Patil Yogandhara Ramesh	<i>Yogandhara</i>
37.	Dipali Nandakumar Desai	<i>Desai</i>
38.	Girish H. Chalwadi	
39.	Sangam Singh	<i>Sangam</i>
40.	Naidu Rakesh Chidambaram	
41.	Soumya Sudarshan Gaddam	<i>Soumya</i>
42.	Dipesh M. Savenkar	
43.	Bhoir Akshata Anil	<i>Bhoir</i>
44.	Kamble Sagar Babaji	<i>Sagar</i>
45.	Arohi Milind Mahawadi	<i>Arohi</i>
46.	Tejas Kundlik Chavan	<i>PHAVAN</i>
47.	Nisha Yalleshrao Bhakve	<i>Bhakve</i>
48.	Soumya Prabhakar Murthy	<i>Soumya</i>
49.	Sathiya S. Japamani	<i>Sathiya</i>
50.	Neha Dilip Khandagale	<i>Neha</i>
51.	Tejashree Baburao Bagal	<i>Tejashree</i>
52.	Pritee Lalbahadur Yadav	<i>Pritee</i>
53.	Pranjali Panjabrao Khandare	<i>Pranjali</i>
54.	Jyoti Arvind Yadav	<i>Jyoti</i>
55.	Agawane Rutuja Hanumant	<i>Agawane</i>
56.	Mahadik Sunidhi Ravindra	<i>SKM</i>
57.	Chonde Apurva Shankar	<i>Chonde</i>
58.	Dayare Chhaya Ashok	<i>Dayare</i>
59.	Salunkhe Harshal Santosh	<i>Salunkhe</i>
60.	Kalshetty Gauravi Baswaraj	<i>Gauravi</i>
61.	N. Nandhini E. M. Nagarajan	<i>Nandhini</i>
62.	Agrawal Anamika Shashibhushan	<i>Anamika</i>
63.	Sakshi Ramesh Kamble	<i>Sakshi</i>
64.	Anmol Sharma	<i>Anmol</i>

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S.I.C.E.S Degree College Of Arts, Science & Commerce AmbaDrnath (W)-421505
One-Day National Seminar on "Biophysics"
In-house Staff Registration List

Sr. No.	Name of the Participant	College
1.	Dr. Harshal M. Bachhav	S. I.C.E.S Degree College, Ambarnath
2.	Dr. Yogesh S. Shelar	S. I.C.E.S. Degree College, Ambarnath
3.	Dr. D. M. Sapkal	S. I.C.E.S. Degree College, Ambarnath
4.	Dr. Shubhangi R. P.	S.I.C.E.S Degree College, Ambarnath
5.	Dr. Pravin G. Hudge	S.I.C.E.S Degree College, Ambarnath
6.	Mrs. Rupali Jagtap	S.I.C.E.S Degree College Ambarnath
7.	Dr. Alpa K. Patel	S.I.C.E.S. Degree College, Ambarnath
8.	Mr. V. V. Deshmane	S.I.C.E.S. Degree College, Ambarnath
9.	Dr. Sangharsh S. Gajbe	S.I.C.E.S. Degree College, Ambarnath
10.	Ms. Kirubha Pauldas	S.I.C.E.S Degree College, Ambarnath
11.	Ms. Shamal M. Bhamare	S.I.C.E.S Degree College, Ambarnath
12.	Mrs. Vaishali Khachane	S.I.C.E.S. Degree College, Ambarnath
13.	Mrs. Shweta V. Humberwadi	S.I.C.E.S Degree College, Ambarnath
14.	Mr. Sharad K. Awate	S.I.C.E.S. Degree College, Ambarnath
15.	Dr. Vilas S. Patil	S.I.C.E.S Degree College, Ambarnath
16.	Ms. Shanti Mudaliar	S.I.C.E.S Degree College, Ambarnath
17.	KAUSHIK SADANAND INAMDAR	K.V. Pendharkar College, Dombivli
18.	Neha Nanasabeh Patil	S.I.C.E.S degree college, Ambarnath
19.	Mr. Yashavant Pundlik Jadhav	CHM Uthanasagar
20.	Dr. Preyoshi Bose	
21.	Mr. Parash Suresh Gaikar	m.P.A.S.C College, Panvel
22.	Mr. Vipin Kumar Dubey	Symbiosis College, Panvel
23.	Ms. Angre Ankita Pradeep	S.P. Dnyansadhana college, Thane.
24.	Ms. Shehal B Tiwari	Tssp college, Groveli
25.	Mr. Sandip Vijay Shinde	G.E. Society's ACS College, Jawhar

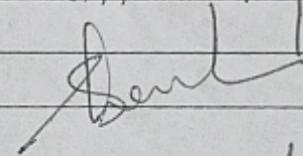
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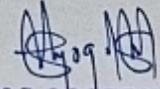
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Jambhul Phata, Ambarnath (W)



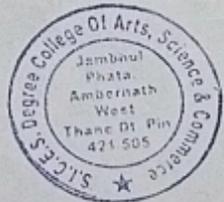
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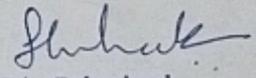
I/c Principal
S.I.C.E.S. Degree College of Arts, Science & Commerce
Ambarnath - 421505

✓ 26.	Prof. Kavita Bhalchandra	Birla College
✓ 27.	Ambardeep Tulshiram ^{Karambelkar} Shenkar	Dr. S. D. Dorsay College, Wair
✓ 28.	Dr. Karlas. P. Joshi	" "
✓ 29.	Dr. Harish Kumar Dubey	Birla College Kalyan
✓ 30.	Dr. Sapan Atmaram Bhamare	BNN College, Bhamburda
✓ 31.	Dr. Karlas R. Jagdeo	DSPM's KV Pendharkar, College
✓ 32.	Mr. Prakash Ashok Bhadure	Dept of Physics, S.R.T. U. Handed
33.		U.S.C. College Bhamburda
34.	Total spot Registrations = 16	
35.	Total amt = 16 x 500 = 8000/-	
36.		
37.	Paid to Anura Badam Mam	
38.	on 24/2/2018.	
39.		
40.		
41.	Time = 11:30 am	
42.	in presence of Shweta mam &	
43.	Santosh Sir.	
44.		
45.	Submitted by,	
46.		
47.		
48.		
49.	Recd. <u>Anura Badam</u>	
50.	24/2/18	
51.		
52.		
53.		
54.		

 29/12/2020
IQAC COORDINATOR
 SICES DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE
 Jambhul Phata, Ambarnath (W)

22




I/c Principal
 S.I.C.E.S. Degree College of Arts, Science & Commerce
 Ambarnath - 421505



S.I.C.E.S. Degree College of Arts, Science & Commerce

Ambarnath (W).

(Affiliated to University of Mumbai)

One Day Seminar on "Biophysics"
24th February 2018

Certificate



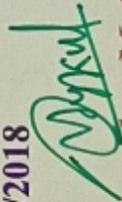
Mumbai Sub-Regional Council 8B

This is to certify that (Prof./Dr./Mr./Mrs.) _____
of _____ has participated /

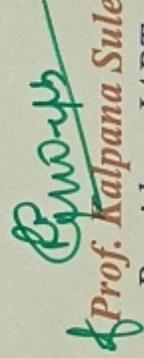
worked as a member of organizing committee in **One Day Seminar on "Biophysics"** organized
by **Department of Physics** in collaboration with **Indian Association of Physics Teachers (IAPT)**,
Mumbai (R.C.) on 24th February, 2018.

Place: Ambarnath

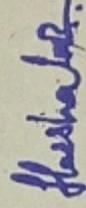
Date: 24/02/2018



Dr. Digamber M. Sapkal
Convener



Prof. Kalpana Sule
President, IAPT



Dr. Harshal M. Bachhav
I/c. Principal



S.I.C.E.S. Degree College of Arts, Science & Commerce

Ambarnath (W).

(Affiliated to University of Mumbai)

One Day Seminar on "Biophysics" 24th February 2018

Certificate



Mumbai Sub-Regional Council 88

This is to certify that (Prof./Dr./Mr./Mrs.) Ripesh M. Davenkar has participated /
of S.I.C.E.S. Degree College of Arts, Science & Commerce worked as a member of organizing committee in One Day Seminar on "Biophysics" organized
by Department of Physics in collaboration with Indian Association of Physics Teachers (IAPT),
Mumbai (R.C.) on 24th February, 2018.

Place: Ambarnath

Date: 24/02/2018

Dr. Digamber M. Sapkal
Convener

Prof. Kalpana Sule
President, IAPT

Dr. Harshal M. Bachhav
I/c. Principal

Chief Guest - Key Note Address

Dr. Pandit B. Vidyasagar

Professor,

Department of Physics, University of Pune, Pune-411007, INDIA.

and

Director (former),

Board of College and University Development, University of Pune, Pune.

Phone (Off): 020-2569-2678, Mobile: 9420483487

Head (former)

Dept of Physics, University of Pune

Email: prof_pbv@yahoo.com

Education:

1980 Doctor of Philosophy (Ph.D.), Department of Physics, University of Pune, Physics,

*(Ph. D. Topic: Study of electrophysiological techniques and its application to detect early pathological changes in sciatic nerve of Swiss albino mice infected with M. Leprae)
Established the involvement of 'C' fibres at an early stage in leprosy, useful for early diagnosis and treatment*

1975 Master of Science (M.Sc.), Department of Physics, University of Pune,
Physics (Biophysics), First Class

1972 Bachelor of Science (B.Sc), Ahmednagar College, Ahmednagar, Physics, First
class with Distinction

Holder of National Merit Scholarship

Research Interests:

Photosynthesis and Photobiophysics, Radiation effects on biological systems, Bio-medical instrumentation, Medical informatics and Bioinformatics, Effects of altered gravity on plants and humans, Neurophysics

Major Academic Achievements:

- Framing of Syllabus of M. Sc. Bioinformatics
- Framing of Syllabus and teaching and organizing a five year Integrated course M.Sc. Biotechnology
- Framing of syllabi for the YCMOU.

Total experience of teaching & Research at postgraduate, MSc, M. Phill and Ph.D. level- 30 (thirty) years.

Books and articles:

Author of More than 10 books and Various articles and transations

Talks and films:

Subject expert and co-ordinator for **five** films on Medical Instrumentation and **ten** films on other subjects for the EMRC, Pune, More than **twenty-five** talks on All India Radio. Produced 30 educational films for PHYSICS through EMRC, Pune.

Research projects as Principal investigator: 11

Workshops/Conferences/Symposia Organized : 12

Organized several refresher courses in Physics, teacher training programmers and short duration workshops for students and college teachers.

Paper published in Professional Journals and Proceedings:

More than **130 papers** published in the area of Photosynthesis, Medical Physics, Gravitational Biology etc. (list attached).

Thesis/Dissertations guided:

Ph.D: 16 M. Phil.: 18
Ph.D: 02 (working at present)

Membership of scientific societies:

- Member Institute of Physics, UK
- Life member Indian Biophysical Society
- Life member Indian Physics Association
- Life member The Indian National Science Congress Association

- Fellow IETE, New Delhi
- Fellow Maharashtra Academy of Sciences
- Life member Bhandarkar Oriental Research Institute
- Member Advisory Council Anthropological Society

CURRICULUM VITAE: Prof. (Mrs.) Jacinta Seraphina D'Souza

✦ Prof. Jacinta S. D'Souza graduated from the Tata Institute of Fundamental Research in Molecular Biology with a PhD degree from Mumbai University. She has almost 32 years of research experience in Molecular Biology and has studied on hormone induced signaling in the moss *Funaria hygrometrica*. She carried out her post-doctoral fellowship at TIFR in Prof. B. J. Rao's laboratory and carried out studies on the stress-induced programmed cell death in the green alga *Chlamydomonas reinhardtii*. She further took up a faculty position at the UM-DAE Centre for Excellence in Basic Sciences situated on the Kalina campus and is currently conducting research on ciliary signaling and motility: dissecting multiprotein complexes. She has taken up various teaching positions and these are outlined below:

- Adjunct Faculty at the UM-DAE-Centre for Excellence in Basic Sciences, Kalina campus from 1st September, 2007 to 31st March, 2010.
- Visiting Faculty at the G. N. Khalsa College, Mumbai (taught Bioinformatics to MSc Biotechnology, Part II students from Dec-Jan-Feb, 2007, 2008, 2009).
- Took Voluntary retirement (FN) from TIFR; the last day of service being 30th January, 2009.
- Visiting Faculty at the St. Xavier's College, Mumbai (taught Bioinformatics to MSc Biotechnology, Part II students from Jan-Feb, 2010).
- Reader at the DBT-ICT-Centre for Energy Biosciences, Institute of Chemical Technology, Matunga from 09-02-2009 to 30-12-2009.
- Reader 'F' at the UM-DAE Centre for Excellence in Basic Sciences, Kalina campus since 1st April, 2010.
- Adjunct Professor since August 1st, 2015 at Manipal University, Department of Atomic and Molecular Physics.
- Associate Professor since 1st January, 2016.
- Professor (Full) since 19th January, 2018.

✦ Her Scientific accomplishments include:

- A 1.5 MDa novel multiprotein complex was found in CPC-C2 (Central Pair Complex) of the *Chlamydomonas reinhardtii* cilium. [Citation (within a year) in Cold Spring Harbor Perspectives in Biology whose Impact factor is 8.769]
- Long-flagella mutants of *Chlamydomonas reinhardtii* are aberrant in motility wherein the assembly of the minor dynein subunit (DHC11) is erroneous. [Work accepted without peer review in BBRC]
- Upon exposure to abiotic stress, vegetative cells of *Chlamydomonas reinhardtii* (unicellular organism) undergo cell death and/or manifest survival strategies. [Five major publications have 31 citations and have appeared in high impact factor journals such as Scientific reports (5.012), Water Research (6.942), Algal research (5.012), Bioresource technology (5.651), Frontiers in Plant Science (4.495), Aquatic Toxicology (4.129)].
- First to show that a ciliary CDPK and CDPK1 are induced with abiotic stress. [Has 5 citations, out of which three include high-impact factor journals such as Frontiers in Plant Science (4.495), New Phytologist (7.672), Scientific reports (5.012)].

- *Chlamydomonas reinhardtii* (algal) BolA-4 mimics the function of *E. coli* BolA showing functional conservancy across kingdoms. [Has 6 citations, out of which four include high-impact factor journals such as MBio (6.875), Molecular Microbiology (5.026), Bioresource Technology (5.651), Frontiers in Microbiology (4.165)].

- A caspase-like protein (metacaspase) when over-expressed in *E. coli* induces cell death (ongoing).

✦ Her Scientific Collaborations:

- Prof. Pinfen Yang from Marquette University, USA.
- Prof. Cecilia Arraiano - Instituto de Tecnologia Química e Biológica, Portugal.
- Dr. Caterina Mencarelli – Department of Life Sciences, University of Siena, Italy.
- Dr. Rohit S. Loomba, Children's Hospital of Wisconsin, Marquette, USA.
- Prof. Deepak Mathur, Senior Professor at TIFR, Mumbai, India.
- Prof. Evans Coutinho, Professor, Bombay College of Pharmacy, India
- Dr. Santhosh Chidangil, HOD, Dept. of Atomic and Molecular Physics, Manipal University, India.

✦ Her Professional and Administrative activities include:

- Chairperson, IBSC @UM-DAE CEBS, registered under Department of Biotechnology [BT/BS/17/719/2017-PID dated 13.06.2017], India (have spearheaded this registration).
 - Have spearheaded the DST-FIST (Level 1) proposal submitted {FIST Life Science Level I – Project [SR/FST/LS-1/2017/6]& Proposal ID-1293 with Temporary Registration number 1293} as a departmental grant and the same is assigned currently to the Task Force, DST-India.
 - Member, Ad-hoc Board of Studies (Biotechnology) at University of Mumbai since August 1st, 2015.
 - Member, Academic Programme Committee, UM-DAECEBS since 2010.
 - Have been a part of this Committee since the conception stages of this center and have coordinated the entire biology syllabus. Have been coordinating the examination, collating marks and finalizing the grades of students in consultation with the Instructors.
 - Coordinator, Department of Biology, UM-DAECEBS.
 - Coordinator, 'Infrastructure Task Force' - Prefabl, II and III, IV, New Hostel and Faculty bldgs.
 - Coordinator, Women's Cell, UM-DAE CEBS since 2014.
 - Served as a Member, Scientific Advisory Committee, DBT-ICT-Centre for Energy Biosciences, ICT, Matunga (year 2009, the committee met quarterly).
- ✦ She has close to 15 years of Teaching Experience and has taught Introductory Biology, Introduction to Biomolecules, Genetics, Molecular Biology, Advanced techniques in Biology and several teaching laboratory sessions.
- ✦ She has co-guided 18 (at TIFR) and guided / co-guided 36 (at UM-DAE-CBS) students pursuing projects related to their PhD / MPhil / Masters' Dissertation / as VSRPs / Summer trainees / Project assistants; all have submitted reports or theses.
- ✦ She has 35 invited talks, 65 research items, has published in several international and national journals and has 21 prizes and awards.

- ✚ She has attended 24 conferences of which 10 were international level.
- ✚ She has organized 28 educational trips and 12 conferences.
- ✚ Expertise in the fields of protein kinases, cell signaling, protein-protein interactions, apoptosis and flagellar biology.
- ✚ Collaborated on several research projects where molecular biology expertise was offered.
- ✚ Several techniques optimized in my research laboratory have been adopted in the UG-PG (teaching) laboratory.
- ✚ Co-ordinated the UM-DAE CEBS Biology Academic Programme since September 2007.
- ✚ Guided 5 PhD students, 28 MSc students at UM-DAE-CEBS for their dissertation work, trained 4 scientific assistants, 4 laboratory technicians, 15 Masters' students at TIFR.
- ✚ Published 37 Journal articles, 2 Proceedings, 8 Invited Chapters, 2 Newsletters, 2 patents, 7 original papers with Technical Assistance/Expertise, 5 GenBank submissions, 2 Theses, 17 articles in the pipeline.
- ✚ Citations: 500; h-index: 12; i10-index: 16.
- ✚ Total impact factor: 89.76; Average impact factor: 2.72.

Curriculum Vitae

Name : Santosh Bhaskaran
Present Affiliation : Assistant Professor, Department of Physics,
Vivekanand Education Society's College of Arts, Science and
Commerce, Chembur, Mumbai - 400 071
Phone : +918097075390, +919423210266
E-mail : abes137@gmail.com

Educational Details:

Qualifications	Board/University	Year of passing
M.Sc.(Physics)	Indian Institute of Technology (I.I.T.) Bombay	2000
Ph.D. (Biophysics)	University of Pune	2002 - 2008

Experience:

Research	9 Years
Teaching	6.5 Years

Achievements:

1. Top 1% in the National Graduate Physics Examination (N.G.P.E.) at the state level conducted by the Indian Association of Physics Teachers (I.A.P.T.) in 1998.
2. JRF-NET (CSIR) qualified in 2001.

Other Scientific Activities:

1. Reviewer in Astrobiology Journal
2. Reviewer in PLOS One Journal

Research Work:

Publications	8	Conferences	13
Patents	1	Research Grants	2
Consultancy	1		

Membership of Scientific Societies/Associations:

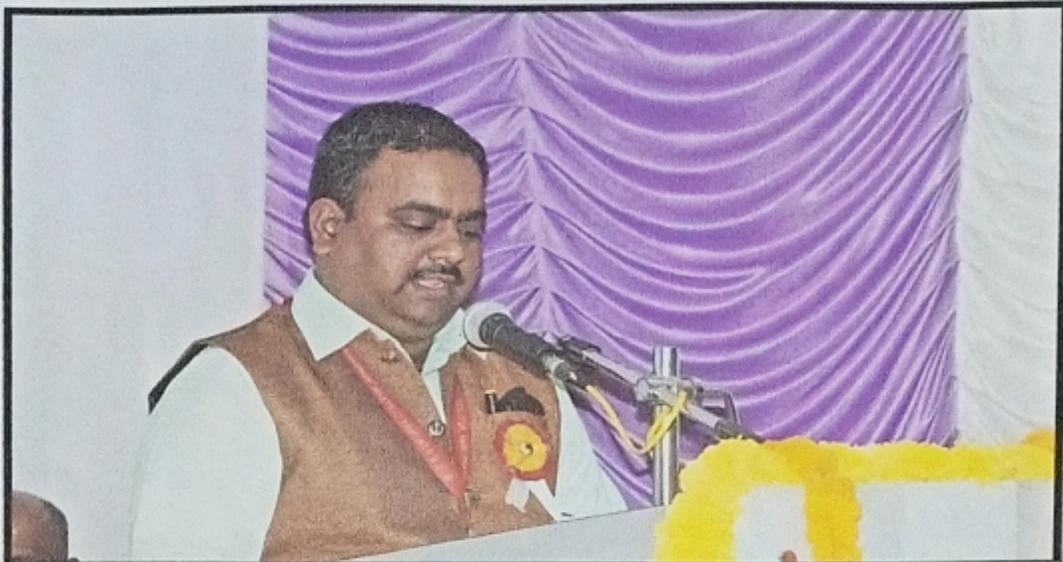
1. Life member of the Indian Association for Medical Informatics since Mar. 2004
2. Student Member of the International Society for Gravitational Physiology 2005-2007
3. Student member of the American Physiological Society 2005-2007

ANAND SHAMKNAT AMBARDEKAR

10/23, Shri Vivekanand CHS, Gurumandir Road,
Saraswat Colony, Dombivli(East)- 421203
Dist.Thane, Maharashtra, India.

Phone: +91-251-2439146
Mobile: +91-9930936129
E-mail: discoveranand@gmail.com

- OBJECTIVE** Develop myself into a capable Neuroscientist through continuous research and education.
- EDUCATION** **M.Phil in Physics**
Department of Physics Savitribai Phule Pune University(formerly University of Pune), August-2015.
Master of Science in Physics
University of Pune, India, January-2012, GPA- 3.65/6.0
Bachelor of Science in Physics
Ramnarain Ruia College, University of Mumbai, India, May 2006, Percentage – 64%, 1st Class.
- PROJECTS** Jul'07 – Apr'08
1)**Acquisition and analysis of Pattern Reversal VEP** under the guidance of Dr. Gauri Kulkarni, Department of Physics, University of Pune for M.Phil. degree since September, 2011.
2)**A.Physical and Chemical Characterization of Ayurvedic Bhasma**, under the guidance of Dr. Gauri Kulkarni, Department of Physics, University of Pune for partial fulfillment of M.Sc. degree.
- CONFERENCE & WORKSHOP**
1) Attended '**Indian Neuroinformatics and Computational Neuroscience Summer Course**' which was held at Indian Statistical Institute, Bangalore between 4-12 June, 2012.
2) **3rd National Teacher's Science Conference, Mysore**
Presented a paper entitled, 'Innovative Methods of Teaching Physics in Classrooms'. The paper was intended towards presenting new ways to teach Physics in classrooms with the help of simple tools. Above said conference was held by NCSTC Network, Govt. of India in Jan'2006 at Mysore, India.
- WORK EXPERIENCE**
1) Working as Asst.Professor of Physics at S.I.E.S. College, University of Mumbai, Mumbai since July, 2012.
2) Lecturer of Physics for junior college (Higher Secondary School) at K.V. Pendharkar College, Dombivli from July 2010 to April 2011.
3) Lecturer/lab demonstrator of Physics for undergraduate level at Ramnarain Ruia College, Mumbai from Sept. 2010 to April 2011.
- SOFTWARE SKILLS** C++, Basic MATLAB .
- LANGUAGES KNOWN** Marathi, English and Hindi.
- EXTRA – CIRCULAR ACTIVITIES**
1) Active participation as a volunteer in 2nd World Ayurveda Congress, Pune in Nov'2006.
2) Winner of Intercollegiate Quiz Competition held at Sahtye College, Mumbai in Dec'2004.
3) 2nd Winner of Intercollegiate Astronomy Quiz Competition held at National College, Mumbai in Aug'2004
- REFERENCES**
1) Dr. Gauri Kulkarni,
Department of Physics,
University of Pune, Pune, India-411007
e-mail : grk@physics.unipune.ac.in
2) Dr. A. V. Limaye
Department of Physics,
University of Pune, Pune, India-411007
e-mail : avl@physics.unipune.ac.in



Dr. Harshal Bachhav, Incharge Principal Sir, Director of "One Day Seminar on Biophysics" delivering welcome address on 24th February, 2018.



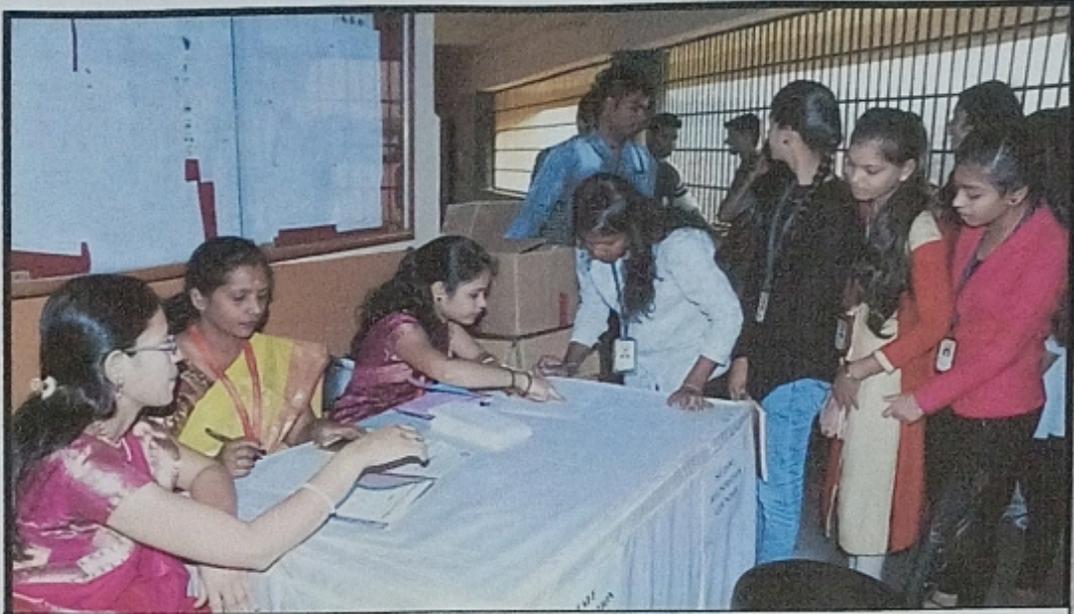
Dr. D. M. Sapkal, Convener of "One Day Seminar on Biophysics" welcomed all and gave a brief about the college on 24th February, 2018.

HEAD DEPARTMENT OF PHYSICS
SICES DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE
JAMBHUL PHATA, AMBERNATH (W)



I/c Principal

S.I.C.E.S. Degree College of Arts, Science & Commerce
Ambernath - 421 505.



Dr. D. M. Sapkal, Convener of "One Day Seminar on Biophysics" welcomed all and gave a brief about the college on 24th February, 2018.



President Sir – Shri. K.M.S Nair, felicitated Dr. Pandit Vidyasagar, Hon. Vice-Chancellor, S.R.T.M. University, Nanded – Chief Guest "One Day Seminar on Biophysics" on 24th February, 2018.

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HEAD DEPARTMENT OF PHYSICS
 S.I.C.E.S. DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE
 JAMBHUL PHATA, AMBERNATH (W)



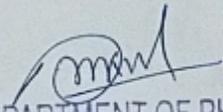
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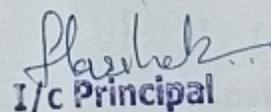
Dr. Vaishali Bambole, Head of Physics Department, University of Mumbai – addressed “One Day Seminar on Biophysics” on 24th February, 2018.



Participants from Outside College - “One Day Seminar on Biophysics” on 24th February, 2018.


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Dr. Jacinta S. D'Souza, Dept. of Atomic Energy C.E.B.S., University of Mumbai – Resource Person on “One Day Seminar on Biophysics” on 24th February, 2018.



Dr. Anand Ambardekar, S.I.E.S College of Arts, Science & Commerce, Sion - Resource Person on “One Day Seminar on Biophysics” on 24th February, 2018.

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JAMBHUL PHATA, AMBERNATH (W)

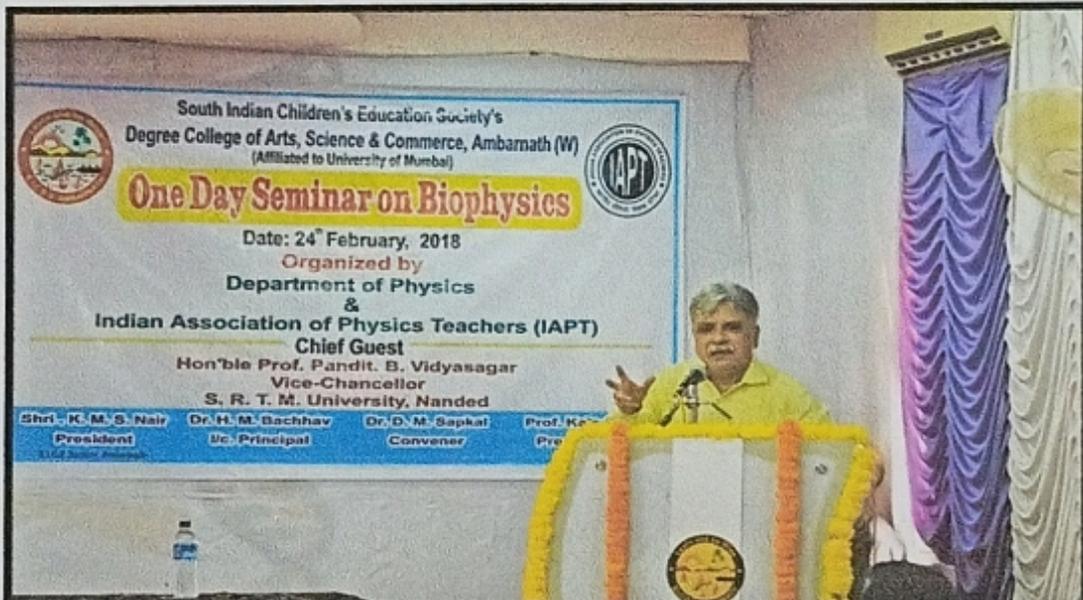


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I/c Principal

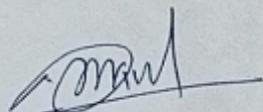
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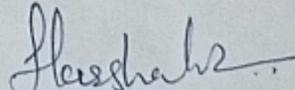
Dr. Santosh Bhaskaran, V.E.S College of Arts, Science & Commerce, Chembur - Resource Person on "One Day Seminar on Biophysics" on 24th February, 2018.



Dr. Vijay Joshi, Principal – K.J. Somaiya College – Guest of Honor for Valedictory function on "One Day Seminar on Biophysics" on 24th February, 2018.


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 JAMBHUL PHATA, AMBERNATH (W)




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