

SCIENCE ACADEMIES' EDUCATION PROGRAMME

SEP/RC/June-July/2017

19 January 2017

JOINT SCIENCE EDUCATION PANEL

Indian Academy of Sciences

Sebastian, K. L.
(Chairman)
Arunan, E.
Bachhawat, A. K.
Balakrishnan, V.
Chattopadhyay, Nitin
Dhar, Deepak
Mukunda, N.
Murthy, M.R.N.
Radhakrishnan, T. P.
Rangarajan, Govindan
Saidapur, S.K.
Sankaran, P.
Satheesh, S.K.
Sengupta, Pulak
Subramaniam,
Annapurni

Indian National Science Academy

Chattaraj, P. K.
Chattoo, B.B.
Chaudhuri, Probal
Goswami, J.N.

The National Academy of Sciences, India

Dimri, V.P.
Khurana, Paramjit
Misra, Gadadhar
Mittal, J.P.

Contact Address

Mahabaleswara, T.D.
Coordinator
Refresher Courses &
Lecture Workshops
Indian Academy of
Sciences
P.B. No. 8005
C.V. Raman Avenue
Sadashivanagar P.O.
Bengaluru 560 080
India

Telephone:

91-80-2266 1210

91-80-2266 1222

Fax:

91-80-2266 1222

Dr R. H. Ladda
Ex. Principal
Dayanand Science College
Latur 413 512

Sub: Refresher Course on ^{Theoretical} "Chemistry" at Dayananda Science College, Latur during 21 June to 05 July 2017.

Dear Dr Ladda,

This has reference to your letter forwarding a proposal and budget for organizing a Refresher Course in Dayananda Science College, Latur. The Joint Science Education Panel of the three Academies will be happy to sponsor and support the Refresher Course. We note that Prof. Dilip Dhavale (Savitribai Phule University, Pune) will be the Course Director and you will be the Course Co-ordinator.

- (a) Your budget of Rs 8,65,500/- for 25 participants (inclusive of **travel expenses/ boarding and lodging** for Resource Persons has been approved by the Science Education Panel. **Please note that extra expenditure from the sanctioned budget heads to be met by the host institution.**
- (b) Please note that only the names of Convener and Coordinator of the Workshop should be included in brochure/invitation etc. Names of members of the management, organizing committees, patrons etc should be strictly avoided.
- (c) As the Refresher Course is an all India one, it has to be advertised in our journals **RESONANCE** and **CURRENT SCIENCE** (copy of a typical announcement is attached). Please send us a draft of your announcement.
- (d) Applications should be submitted online through a link which will be available in our website. The Course Director and Coordinator will be provided a user-id/password to enable them to view the applications and make the selections.
- (e) Refresher Courses are sponsored and supported by the three National Science Academies - IASc, INSA and NASI. The names of INDIAN ACADEMY OF SCIENCES (BANGALORE), INDIAN NATIONAL SCIENCE ACADEMY (NEW DELHI) and THE NATIONAL ACADEMY OF SCIENCES, INDIA (ALLAHABAD) should therefore be mentioned in all publicity material such as programme sheet, invitation cards, etc.
- (f) The Course should be called "Science Academies' Refresher Course in "Chemistry".

(g) Please send 4-5 copies of the printed programme when ready.

(h) Funds for organizing the Course can be sent as an advance by electronic transfer. This can be sent after a bank account is opened and the following details are provided to us:

1. Name of the Bank:
2. Name of the Branch:
3. Account No.:
4. Name of the Account Holder
(in the name of Refresher Course);
5. IFSC – code (for Non-SBI accounts)

If necessary, an authorization letter from the Academy to the bank to open the Savings Bank account can be sent to you after we hear from you.


(i) The audited expenditure statement/utilization certificate duly signed by competent authority (CA or Financial Controller) to be sent along with the report, once the Course is over. This is required for the Audit compliance.

(j) A CD containing the resource materials has to be made available at the Academy website. The Academy would like to make the educational material made for the course available to a large audience at its website, Hence a CD containing the material (without infringement on the copyright issues) has to be made available by the course director to the Academy.

Please go ahead with organizing the Course in consultation with Professor Dilip Dhavale and keep in touch with the Academy about the progress.

Best wishes,

Yours sincerely,



T. D. Mahabaleswara

Coordinator (LW/RC), Science Education Panel



Science Academies' Refresher Course in General Chemistry

Dayanand Science College, Latur (Maharashtra)

21st June to 5th July, 2017

Sponsored by Indian Academy Of Sciences, Bangalore

Indian National Science Academy, New Delhi The National Academy of Science, India,
Allahabad In Collaboration with Dayanand Science College, Latur (Maharashtra)

REPORT

Registration: - On 21st June, 2017 at 9.30 am Registration of the participants started. Bag, Pen, Register and timetable were issued to all the registered participants in all 21.

All India Science Academies Two Week's Refresher course in General Chemistry was held at Dayanand Science college, Latur from 21st June to 5th July, 2017.

The refresher course was inaugurated by the course Director Prof. Dr. Dilip Dhavale, Department of Chemistry, Savitribai Phule University, Pune and Principal of Rajarshi Shau College, Latur Dr. S. D. Salunke, Principal of Dayanand Science College Dr. J. S. Darad, Head Dept. of Chemistry Dayanand Science College, Latur Prof. Y. P. Sarnikar, on 21st June at 11.00 am.

Dr. Dilip Dhavale has expressed the importance of Refresher Courses and the subject matter used in this Refresher Course how it is useful for undergraduate Teachers in their regular Teaching Dr. S. D. Salunke have given the presentation about the Refresher Course. Principal Dr. J. S. Dargad has explained about the college activities and the importance of Refresher Course in Higher Education. The college has an excellent track record in academic development.

College has organized 14 INSPIRE Camps for meritorious 11th class students funded by Dept of Sci. and Technology New Delhi.

Photograph of Lightning of Lamps



Academic Programme

1. Afternoon at 2.30 Dr. Dilip Dhavale one of the resource person has delivered lectures up to 5.30. He has delivered in all 7 lectures. He has given notes which were Xeroxed and Circulated to the Teacher, Participants the notes were on NMR Practice Problems and General Problems in Spectroscopy.

Photograph of Dr. Dilip Dhavale while teaching



2. Dr. N. N. Karade delivered 12 lectures on Heterocyclic Chemistry, Biosynthesis of Terpenoids reaction mechanism, Retro synthesis etc. and given notes.



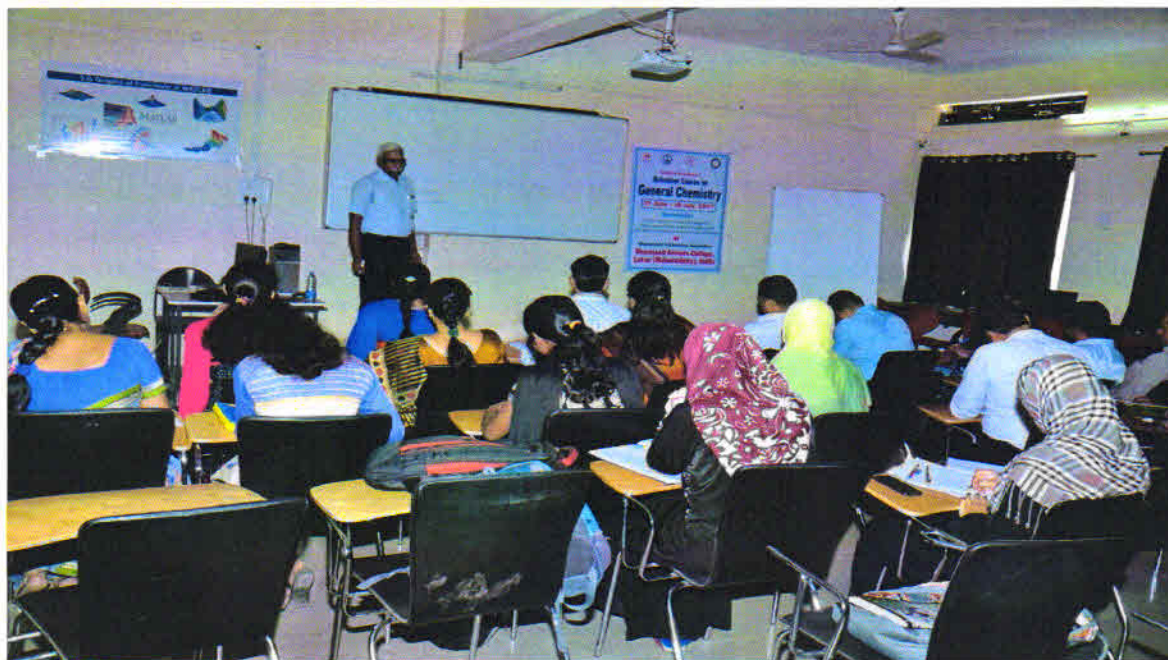
3. Dr. M. S. Wadia has delivered 7 lectures on Stereochemistry of cyclohexane. Notes were given which were Xeroxed and circulated to all participants.



4. Dr. Suresh Waghmode has delivered 9 lectures on Pericyclic Reactions. Notes were given and circulated the Xerox copies to participants.



5. Dr. V. D. Bobade has delivered 12 lectures on mass spectroscopy. Notes are given which are Xeroxed and circulated to participants.



6. Dr. Sangita Makone delivered 6 lectures.



7. Again Dr. Dilip Dhavale has delivered 10 Lectures. Also there was a Laboratory visit where Dr. V. D. Bobade has demonstrated few Microanalysis experiments to participants.



On the same day there was library visit where the books are distributed to participants and they have assessed the books in the library.



We have arranged a seminar of 5 participant teachers. The chairperson Dr. J. S. Tulba Ex.Principal conducted the seminar.



(enclosed Copy of Time – Table)

Valedictory Function :- Certificates and common photograph were distributed to participant teachers. 4 participant, Teachers have expressed their views. About this Refresher Course.















Non Academic Report

The Bags were also given to the resource persons. Excursion Tour was organized to Chakur.



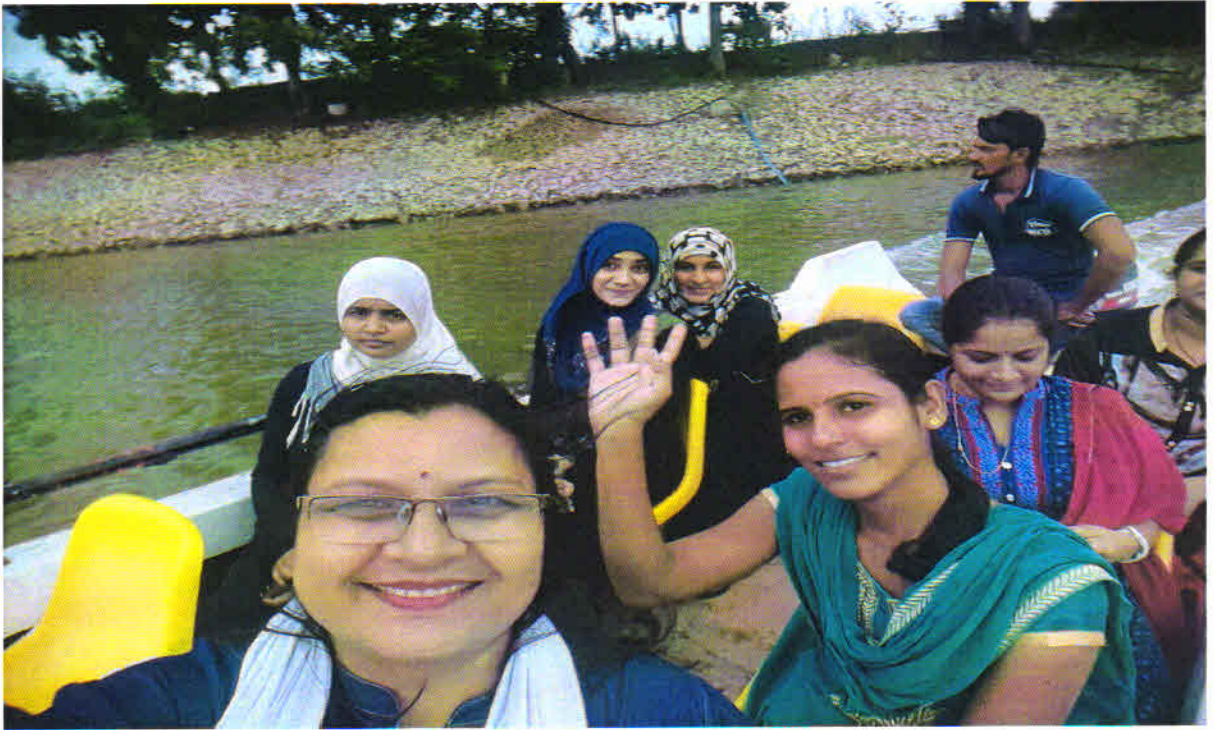


















Dinner Party





The science Academies Refresher Course helped Teachers to add value for their teaching as there was an interaction almost in every period by the resource persons with teacher participants the publicity is given on academy website Also 500 brochures were printed and posted to about 500 colleges and respond of 55 applications were received. 29 outstation participants has confirmed after selection but only 11 participants finally have reported all 21 participants attended the course 75% of the syllabus was covered and new topic Green Chemistry was also introduced. C. D. containg the resource materials is also enclosed. I must thank to the Indian Academy of Sciences, Bangalore particularly, Coordinator Dr. T. D. Mahabaleshwara and Geetha Madam for providing funds in Time and solving other difficulties also.



1. Dr. N. S. Korde	6. Dr. S. Rajagopal	11. Dr. Tapas Kr. Adalder	16. Dr. J. S. Dargad	21. Dr. Praveen S. Mugali
2. Dr. Hirkan C. Shetkar	7. Prof. S. Periasamy	12. Mrs. Rakhi G. Gawali	17. Dr. S. D. Salunke	
3. Mrs. Arati V. Diwate	8. Dr. S. N. Ibatte	13. Dr. Sushma R. Katade	18. Dr. Dilip Dhavale	
4. Dr. Ravindra Shinde	9. Dr. M. Shiva Prasad	14. Dr. J. A. Angulwar	19. Shri. R. H. Ladda	
5. Dr. Bipin C. Joshi	10. Dr. Sheetal Marganakop	15. Prof. B. B. Sanap	20. Prof. Y. P. Sarnikar	

This refresher course has good impact on the Participants

List of Participants :-


Sr. No.	Candidates Name	Place and Address	Email ID	Mobile No.
1	MASRAT SHAIKH	Hatte Nagar, Road No. 5 LaturHatte Nagar, Road No. 5 Latur	masratshaikh2@gmail.com	9028610248
2	SUSHMA KATADE	Department of Chemistry, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune	rkatade@hotmail.com	9225578178
3	RAJAGOPAL SHANMUGASUNDAR M	Dr.S.Rajagopal, Assistant Professor, Department of Physics, Center for Post Graduate Studies, Jain University, #18/3, 9th Main, 3rd Block Jayanagar, Bangalore - 560 01	raja2001s@gmail.com	8095400584
4	BIPIN JOSHI	Dr. Bipin Chandra Joshi, Asst Professor, Divya Sadan, Kharkot, Pithoragarh-262501 Uttarakhand	joshibip@rediffmail.com	9927261379
5	DR. TAPAS KUMAR ADALDER	Department of Chemistry (UG &PG) Jhargram Raj College (A Govt. General Degree College) Paschim Medinipur	tapasadalder@gmail.com	8968579241
6	SHEETAL MARGANAKOP	PLOT NO. 3246 (OPP SHANI MANDIR) NEAR UDAYA SCHOOL RAMTIRTHNAGAR BELGAUM	sheetalmarganakop@gmail.com	9449280322
7	PERIASAMY S	1/46-2, Pavadi Street, Kalangani Post, Namakkal Dt,	periasamysmsc@gmail.com	9865364421

8	Dr. PRAVEEN MUGALI	P.G. Department of Chemistry Alva's College, Moodbidri-574227 Karnataka, India	praveen.mugali@gmail.com	9845742625
9	M SHIVA PRASAD	Department of Chemistry Central University of Tamil Nadu, Neelakudi campus, Kangalancherry, Thiruvarur	shivaprasad@cutn.ac.in	9491634764
10	RAVINDRA SHINDE	Dept. of Chemistry Dayanand Science College, Latur	rshinde.33381@gmail.com	9850150872
11	ASMA BIRADAR	Dayanand Science College, Latur	biradarasma@gmail.com	9422062295
12	ASRI ARSHEENSYED	Dayanand Science College, Latur	arsheensyed.172@gmail.com	9405418480
13	BHAGYASHRI MULE	Dayanand Science College, Latur	bhagyashrimule30@gmail.com	9172009795
14	SHYAM IBATTE	Dept. of Chemistry Dayanand Science College, Latur	ibateshyam@gmail.com	9423719339
15	JAMAN ANGULWAR	Dept. of Chemistry Dayanand Science College, Latur	jaangulwar@gamil.com	8149479069
16	HIRKAN SHETKAR	Khori galli, in front of bhavani hospital, latur	hirkans1971@gmail.com	9420676911
17	NANDA KORDE	Dept. of Chemistry Dayanand Science College, Latur	nandineekorde0@gmail.com	8421685018
18	RAKHI GAWALI	Department of Chemistry, D.B.F. Dayanand College of Arts & Science, Solapur.	rggiknk@gmail.com	9822274626
19	ARATI DIWATE	32, Goldfinch peth, Navi peth	arati.diwate26@gmail.com	9422068218
20	B. B. SANAP	Rajarshi Shahu Mahavidyalay, Latur	Bhagwatsanap05@gmail.com	9421453596
21	PATIL KIRAN DAYANAND	Dayanand Science College, Latur	Patilkiran240@gmail.com	9156626824

Acknowledgement :-

We Sincerely Thank the Science Academies Particularly Dr. Mahabaleshwara the Coordinator of an Academy the Assistant Coordinator Geetha Madam for giving guidance and financial support and extending every possible help in time on phone and by e-mail as and when required.


PRINCIPAL
Dayanand Science College
LATUR


R. H. Ladda
Ex. Principal
Coordinator of Research Course