



Rayat Shikshan Sansthas  
**Annasaheb Awate Arts, Commerce & Hutatama Babu Genu  
Science College, Manchar, Tal- Ambegaon, Dist-pune**  
NAAC Accredited 'A' Grade



<b>Date of Lecture</b>	:	21/10/2021
<b>Time</b>	:	2.00 pm
<b>Zoom Link</b>	:	<a href="https://us02web.zoom.us/j/89706167526?pwd=ZWZUcG91K1pIbUN0VzdVU0dFbTJBZz09">https://us02web.zoom.us/j/89706167526?pwd=ZWZUcG91K1pIbUN0VzdVU0dFbTJBZz09</a>

**Speaker-** Dr. Dinesh Amalnerkar

**Topic Topic:** *“Research Aptitude and Perspectives”*



**Dr. Dinesh Amalnerkar**

Professor Emeritus, Savitribai Phule Pune University (SPPU), India | Former Brain-Pool Invited Scientist, South Korea | Former Director General, C-MET, India.

## Detail about Speaker



### **Professor Emeritus**

[Savitribai Phule Pune University](#)

May 2020 – Present 1 year 6 months

Pune, Maharashtra, India



### **Visiting Scholar, Brain-Pool Invited Scientist**

[Hanyang University](#)

Apr 2017 - Feb 2019 1 year 11 months

Seongdong-gu, Seoul, Korea



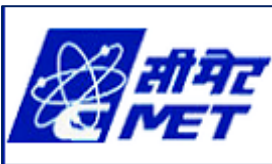
### **Brain-Pool Invited Scientist, Research Professor**

[Sungkyunkwan University](#)

Oct 2015 - Sep 2016 1 year

Suwon, Gyeonggi-do, Korea

He was awarded Brain-Pool Position by KOFST, Government of Korea to work at Nano Particles Technology Laboratory, School of Mechanical Engineering, Sungkyunkwan University. I enjoyed working with young and dynamic Prof. Taesung Kim. Our team could generate 8 publications.



### **Executive Director (CEO)**

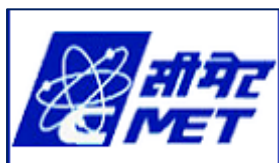
Centre for Materials for Electronics Technology, Pune, India

March 2009 - Nov 2014: 5 years 9 months

Area : Pune, India

In February 2009, Ministry of Communications & Information Technology, Govt. of India, appointed he as an Executive Director of Center for Materials for Electronics Technology (CMET) to look after its 3 lab-units located at Pune, Hyderabad & Thrissur. He has managed

the techno-administrative affairs of all the 3 centers with well carved-out research mandate at each place. He worked in same till his superannuation in November 2014



### **Scientist**

Centre for Materials for Electronics Technology, Pune

Jan 1991 - Feb 2009: 18 years 2 months

Area: Pune, India

He Joined C-MET, Pune as Scientist C and was eventually promoted to Scientist F and Director of C-MET, Pune before resuming the post its CEO. He was mainly associated with interlinked R & D of Thick Film Pastes for Hybrid Microelectronics, Advanced Photo-patternable Pastes, Nanoscale Electronic Materials and allied phenomena. Besides techno-administrative responsibilities, He have guided Master-Course & Ph.D. students. During His long inning at CMET, there are more than 150 Research Papers, 18 Indian & 2 US...

Show more



Korea Research Institute of Chemical Technology

### **Brain-Pool Invited Scientist**

Korea Research Institute of Chemical Technology (KRICT)

Jan 2006 - Dec 2006 : 1 year

Daedeok-gu, Daejeon, Korea

He spent about 1 year at KRICT by availing extra-ordinary leave from CMET and pursued his academic interest in Nanotechnology. Enjoyed he stay here by helping MS-Ph,D students(Korean), publishing few papers & delivering seminars at various conferences organised in S. Korea.

### **Postdoctoral Researcher**

Gifu University, Yanagido

Jan 1986 - Apr 1987: 1 year 4 months

Gifu, Japan

He worked with Prof. H. Minoura in Faculty of Engineering and pursued his research interests in semiconductor-photo electrochemistry. While placed in CMET, he revisited Gifu university, Japan again during September to December 1993 and October to December 2000 with the total financial assistance of AIEJ, MONBUSHO, Govt. of Japan. Timely exposure to Q-dots/nano particles was the outcome of these short-term stays in Japan.



A Powerhouse of Learning

### **Research Scientist**

Elpro International India

Mar 1983 - Jan 1986 : 2 years 11 months

Area: Pune, India

He worked as Research Scientist at R & D centre of Elpro which was affiliated to GE,USA(This was his first job offer received immediately after getting Ph D in Chemistry from University of Pune). He worked here mostly on the development of CdS based LDR (in continuation of his Ph D work at National Chemical Laboratory, Pune).



### **Research Fellow**

National Chemical Laboratory

Dec 1978 - Dec 1982: 4 years 1 month

Area: Pune, India

## **❖ Education Details**



### **University of Pune**

Doctor of Philosophy (PhD) Chemistry--**1978 - 1982**

Joined National Chemical Laboratory at Pune as Junior/Senior Research Fellow (1978-1982) and obtained Ph.D. in Chemistry from University of Pune in 1982.



### **Shivaji University**

Master of Science (M.Sc.)Physical Chemistry First Class with Distinction

1975 - 1977

Ranked first in M.Sc Part-II examination. Received National Merit Scholarship by Govt.of India.



## Shivaji University

Bachelor of Science (B.Sc.) Chemistry, Physics, Geography First Class with Distinction  
1972 - 1975

Ranked first in B.Sc. examination at my college in Pandharpur town (affiliated to Shivaji University, Kolhapur), Recipient of National Merit Scholarship of Govt. of India.

### ● Research Fields and Interests

Electronic Materials, Nanoscale Materials, Nanobioscience, Energy Materials

### Google Scholar

Dr. Dinesh Amalnerkar  
Former Executive Director, Center for Materials for Electronics Technology (Govt. of India), Pune  
ยืนยันอีเมลแล้วที่ cmet.gov.in  
Electronic Materials Nanomaterials Photoconducting Materials

ชื่อ	อ้างอิงโดย	ปี
Electrochemically synthesised conducting polymeric materials for applications towards technology in electronics, optoelectronics and energy storage devices K Gurnathan, AV Murugan, R Marimuthu, UP Mulik, DP Amalnerkar Materials chemistry and physics 61 (3), 173-191	623	1999
Superhydrophobic silica aerogels based on methyltrimethoxysilane precursor AV Rao, MM Kulkarni, DP Amalnerkar, T Seth Journal of Non-Crystalline Solids 330 (1-3), 187-195	289	2003
Surface cupricated SnO <sub>2</sub> -ZnO thick films as a H <sub>2</sub> S gas sensor MS Wagh, LA Patil, T Seth, DP Amalnerkar Materials Chemistry and Physics 84 (2-3), 228-233	211	2004
Surface chemical modification of silica aerogels using various alkyl-alkoxy/chloro silanes AV Rao, MM Kulkarni, DP Amalnerkar, T Seth Applied surface science 206 (1-4), 262-270	211	2003
Synthesis and characterization of conducting polymer composite (PAN/TiO <sub>2</sub> ) for cathode material in rechargeable battery	201	2003

จำนวนปีที่ตีพิมพ์  
การอ้างอิง 6255 2427  
ดัชนี h 38 26  
ดัชนี i10 108 73

การเข้าถึงแบบสาธารณะ 6 บทความ 5 บทความ

### ● Research Summary

<b>Publications</b>	<b>230 in International Journals</b>
<b>H-Index:</b>	<b>39</b>
<b>Citations</b>	<b>6272</b>
<b>Patents</b>	<b>24 - Indian &amp; 3 -US</b>
<b>Technology Transfers</b>	<b>3</b>
<b>Invited Talks</b>	<b>More than 100 in India &amp; Abroad</b>

## Awards

- Elected Fellow of Maharashtra Academy of Sciences, India (2002)
- Recipient of Esteemed Medal by Materials Research Society of India (MRSI) for outstanding contributions in Materials Science & Engineering (2008)
- 3 Times Recipient of prestigious Brain-Pool Fellowship by Ministry of Science, Korean Government (2006-2007, 2015-2016 and 2017-2018)

## Programme Flyer:



Rayat Shikshan Sanstha's  
**Annasaheb Awate Arts, Commerce &  
Hutatma Babu Genu Science College,**  
Manchar, Tal- Ambegaon, Dist-Pune  
NAAC Accredited 'A' Grade



### Invited Talk

**Topic : Research Aptitude and Perspectives**

**Speaker:**  
**Dr. Dinesh Amalnerkar**  
Professor Emeritus, Savitribai Phule Pune  
University (SPPU), India  
Former Brain-Pool Invited Scientist, South Korea  
Former Director General, C-MET, India.



**President:**  
**Dr. K. G. Kanade**  
Principal, Annasaheb Awate College Manchar,  
Managing Council Member, Rayat Shikshan  
Sanstha Satara



**Place: Karmaveer Auditorium**  
**Date: 21/10/2021,**  
**Time: 2.00 PM**  
**Join Zoom Meeting:**  
<https://us02web.zoom.us/j/89706167526?pwd=ZWZUcG91K1pIbUN0VzdVU0dFbTJBZz09>  
**ID: 897 0616 7526, Passcode: 890120**

### **Summary of Programme:**

Introduction of Speakers	:	Dr. S. B. Misal Associate Professor Annasaheb Awate College Manchar
Presidential Remarks	:	Dr. K. G. Kanade Principal, Annasaheb Awate College Manchar
Speakers Talk	:	Dr. Dinesh Amalnerkar Professor Emeritus, Savitribai Phule Pune University (SPPU), India Former Brain-Pool Invited Scientist, South Korea Former Director General, C-MET, India.
Question & Answer Section	:	10 Minute
Vote of thanks	:	Dr. S. T. Shinde Assistant Professor, Annasaheb Awate College Manchar
No. of participants via. Zoom	:	80
No. of offline participants	:	93

## Photograph



**Introduction of speaker by Dr. Sham Misal**

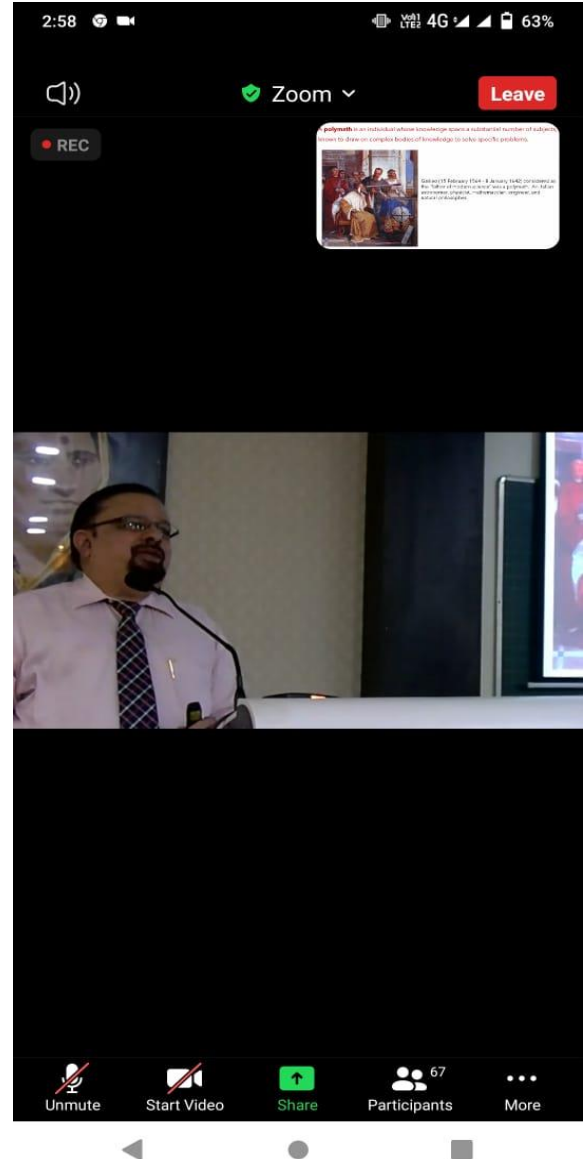


**Principal Dr. K. G. Kanade felicitate Dr. Dinesh Amalnerkar by offering bookie**





**GPS location photograph of speaker  
Dr. Dinesh Amalnerkar while presenting  
his research**



**Online lecture of  
Dr. Dinesh Amalnerkar via zoom app**



**GPS photograph of audience present for lecture**



**Vote of thanks of programme done by Dr. S. T. Shinde**