



DAE – BRNS
22nd Workshop & Symposium
On Thermal Analysis

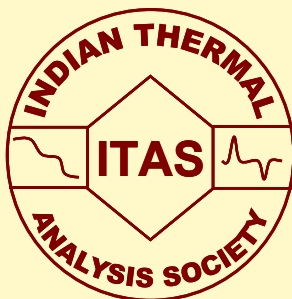


THERMANS- 2020

January 28-29, 2020 (Workshop)
January 30- February 1, 2020 (Symposium)

Venue

Multipurpose Hall, BARC Training School Hostel
Anushaktinagar, Mumbai, India



Jointly Organized by

Indian Thermal Analysis Society (ITAS), Mumbai,
Chemistry Group, Radio Chemistry & Isotope Group, BARC, Mumbai

Supported by

Board of Research in Nuclear Sciences
Department of Atomic Energy
Government of India
Mumbai

www.itasindia.org

SCOPE OF THE SYMPOSIUM

The theme of the symposium is “**Thermal Techniques for Advanced Materials**”. The deliberations of the symposium will cover the following topics:

- Thermodynamics and phase diagram studies
- Thermochemical and thermophysical properties of materials
- Nuclear materials (MOX fuels, molten fluoride salts, metallic fuels, nuclear waste forms, materials for nuclear safety, futuristic nuclear fuels etc.)
- Solid state reactions and kinetics
- Thermal properties of ceramics and cermets
- Metastable materials
- Thermal behavior of nanomaterials and coated particles
- Thermal analysis of materials

These include:

- Minerals
- Composites, Ceramic & Polymeric materials
- Pharmaceuticals
- Glasses
- High energy materials
- Catalysts
- Bio-materials
- Structural alloys

IMPORTANT DATES

Pre-registration & Submission of extended abstract	September 30, 2019
Acceptance of papers	October 31, 2019
Payment of registration fees	November 30, 2019

ADDRESS FOR CORRESPONDENCE

Email: thermans2020@gmail.com, **Fax:** +91-22-25505151

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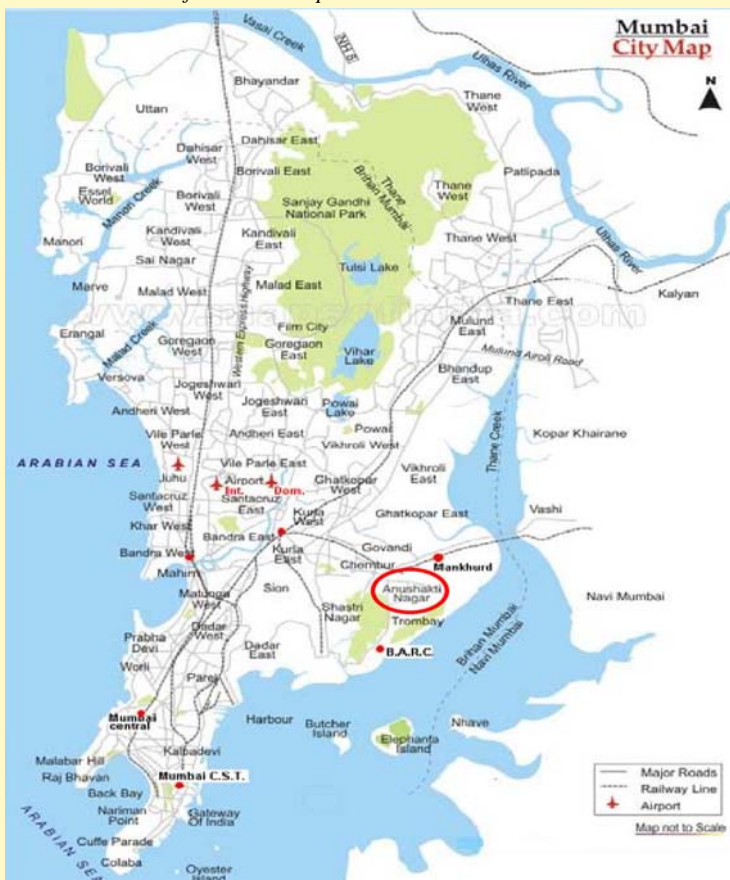
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About the Venue

Mumbai is situated on the west coast of the country and is popularly known as the financial capital of India. Mumbai city is well connected to other parts of India as well as rest of the world. People coming to Mumbai by train can alight at Mumbai CST, Dadar, Kurla, Mumbai Central, Bandra or Panvel terminus. Those travelling by flight will alight either at domestic airport at Santacruz or at Chhatrapati Shivaji Maharaj International Airport, Sahar. The venue of the workshop & symposium is the **Multipurpose Hall, Training School Hostel, Anushaktinagar**. Anushaktinagar is the residential colony for scientists and engineers working in Department of Atomic Energy (DAE). It is located in the north east part of Mumbai and is surrounded by beautiful hills. All the railways stations are within 20 km and the airports are less than 25 km from the venue. Prepaid taxis are available at most of the railway stations as well as airports. Those interested in travelling by local trains should alight at Mankhurd station on harbor line, which is about 2 km from the venue. Many buses run by Brihanmumbai Electric Supply and Transport (BEST) come to Anushaktinagar bus depot. Mumbai has pleasant climate during December to February with temperature range between 18°C to 25°C.

N.B. Landmarks can be identified in the map below.



WORKSHOP ON THERMAL ANALYSIS

The Workshop on Thermal Analysis aims to introduce students and young researchers/faculties to the field of application of thermal analytical tools to advancement of materials. The scientists with vast experience in this field will be invited to deliver lectures during the workshop. The lectures would cover the entire broad spectrums of thermal techniques and their applications. It is also proposed to compile the lecture notes in the form of a workshop document which will be made available to all participants.

REGISTRATION

The participants of THERMANS-2020 are requested to get registered in advance by filling the Pre-registration form. The form is provided along with the brochure. The completed registration form should be mailed to thermans2020@gmail.com. Registration fee can be credited to THERMANS account by online transfer/RTGS/NEFT mode as well as by draft. THERMANS account details and other information will be provided in the mail sent to participants after acceptance of the manuscript. The registration fee covers symposium proceedings, conference-banquet, lunch, dinner and refreshments during the workshop/symposium period, but does not cover the accommodation charges. (*Registration fee is non-refundable*)

Details of Fees:

Workshop	
Research scholar/Ph. D students	1500/-
Delegates from University/Educational Institutions and Government Departments	2000/-
Accompanying person with delegate from India	1500/-
Symposium	
Research scholar/Ph. D students	2000/-
Delegates from University/Educational Institutions and Government Departments	3000/-
Accompanying person with delegates from India	2500/-
Foreign Delegates	100 USD
Accompanying person with foreign delegates	75 USD
Workshop and Symposium	
Research scholar/Ph. D students	2500/-
Delegates from University/Educational Institutions and Government Departments	4000/-
Accompanying person with delegates from India	3500/-
Foreign Delegates	150 USD
Accompanying person with foreign delegates	125 USD

ACCOMODATION

Limited accommodation for delegates will be available at BARC Guest Houses/Hostels. Delegates interested to stay at private hotels can do so directly with the hotel and inform us accordingly. Request for accommodation should be sent by email to thermans2020@gmail.com only after payment of registration fee. The requisition form for accommodation is provided with the brochure. Accommodation for only one author per contributory paper will be provided. Accompanying persons, if any, are requested to make their own accommodation arrangement.

TRAVEL ASSISTANCE

Participants are requested to make their own travel arrangements. If the participant's institute is not able to provide the travel assistance, they may be provided the same by second class train fare for the shortest route of travel. Only limited number of such assistance would be made available to the research scholars or students presenting paper. Requests for financial assistance must be forwarded through the Director/Head of the parent institution to the Convener, Symposium Organizing Committee, THERMANS-2020, positively by November 30, 2019. On the spot, requests for travel assistance will not be entertained.

CALL FOR MANUSCRIPTS

Desirous participants may send the contributory papers (strictly as per the template provided at the end) at thermabstract@gmail.com on or before **September 30, 2019**. Please note that the papers received **only on this mail ID** would be considered for participation. The Organizing Committee reserves the rights to decide regarding acceptance/rejection of papers. Acceptance of papers will be communicated by **October 31, 2019**. Inclusion of the papers and participation of authors in the scientific program are dependent on payment of registration fee by **November 30, 2019**.

AWARDS

ITAS confers various awards in different categories. The award distribution would be held during THERMANS- 2020. The details regarding different awards and the eligibility are available on the ITAS website www.itasindia.org. The interested candidates should strictly adhere to the deadlines mentioned on the website in this context.

GUIDELINES FOR MANUSCRIPT

The manuscripts should be prepared strictly as per the following instructions:
File format: M.S Word (Office 2003, 2007, 2010)

- Language: English
- Paper size: A4; 1 inch margins on all sides
- Text : Times New Roman, 10pt font; single line spacing; no extra spacing between paragraphs (see template for more details)
- Size: Not more than 2 pages, including tables, references and illustrations

Two pages should be fully utilized with sufficient scientific information. Papers with insufficient information will not be considered. A template is provided at the end for ready reference.

BOARD OF RESEARCH IN NUCLEAR SCIENCES

Board of Research in Nuclear Sciences (BRNS) supports research and development activity in universities, institutes of higher learning and national laboratories in the fields relevant to the mandate of Department of Atomic Energy. BRNS also supports symposia, conferences, seminars and workshops in various areas of science and technology.

INDIAN THERMAL ANALYSIS SOCIETY

The Indian Thermal Analysis Society (ITAS), founded in 1977 under the leadership of late **Dr. M.D. Karkhanavala** is actively engaged in promoting science and technology of thermal analysis in India. ITAS is a registered public trust with its headquarters in Mumbai. The Society organizes biennial symposia and workshops on thermal analysis and publishes "ITAS Bulletin" including "Thermal Analysis Titles" listing the titles of papers on thermal analysis along with relevant citations. ITAS also supports publication of books and monographs on topics of interest to thermal analysis. Besides, the Society encourages research and development activities in the field of thermal analysis by instituting awards at various levels, which are usually conferred at the time of the biennial symposia. For additional information please see ITAS website: www.itasindia.org

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A. K. Mohanty	BARC, Mumbai
P. R. Vasudeva Rao	HBNI, Mumbai

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R. Rajeev	ISRO, Trivandrum	
M. K. Saxena	BARC, Mumbai	
V. Sudarsan	BARC, Mumbai	
R. Tewari	BARC, Mumbai	
A. K. Tripathi	BARC, Mumbai	
S. Varma	BARC, Mumbai	
R. K. Verma	Munger university, Bihar	
S. M. Yusuf	BARC, Mumbai	

Template for preparation of the Manuscript

Category (e.g. Thermodynamics and phase diagram studies, etc.)

The Title of the Paper should be in this Format with Each Initial Letter in Capital Case

Author's Name^a, Author's Name^b and Author's Name*

Replace this text with author's affiliations (use complete addresses)

Continue Here

^bIf more than one affiliation is needed, they should be indicated by superscript letters, a, b, c, etc. as shown above.

** Corresponding author's name should be marked with asterisk (*) and his/her email ID, Telephone Number and Fax Number should be provided here*

Abstract

The abstract of the work should summarize the highlight of work with not more than 100 words. The text itself should be italic and justified. Leave one space between and after the abstract. The text should be typed in single columns in Times New Roman (font size 10) with single spacing, as shown in the template. Abstract with insufficient information or improper format will not be considered. Title: 12 font, Name and Affiliation: 11 font.

The title, authors, affiliations and addresses should be centred. The name of the corresponding author should be highlighted by asterisk (*). Leave one space each between the title, authors, addresses and content of the paper. The affiliation should include the institution, department, and country in this sequence. The text itself should be justified. Leave one space between the paragraphs. The text should be typed in two columns in Times New Roman (font size 10) with single spacing, as shown in the template.

Enough scientific information about the work should be reflected in the text and the space of **TWO** page should be completely utilized. Papers with insufficient information or improper format will not be considered. Introduction and experimental section should be kept to a minimum and more emphasis should be placed on salient results of the work.

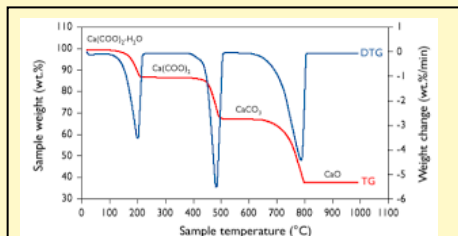


Figure 1. Figure caption should be in Times New Roman 10 font and figures should be imported as graphics

Based on figure size, it should be included in a text box so that the remaining space can be utilised for providing more discussion. The authors should ensure to provide figures with good resolution as these will be reproduced as submitted. The same is applicable for placing table, depending on the number of columns.

Figures and Tables should be embedded at appropriate places.

Table 1. Table caption in Times New Roman, 10 font.

Both caption and table centre aligned w. r. t. the page.

Heading 1 (Font 10, Bold)	Heading 2 (Font 10, Bold)	Heading 3 (Font 10, Bold)
Description (Font 10, regular)	Description (Font 10, regular)	Description (Font 10, regular)
Description (Font 10, regular)	Description (Font 10, regular)	Description (Font 10, regular)

Enough scientific information about the work should be reflected in the text and the space of **TWO** page should be completely utilized. Papers with insufficient information or improper format will not be considered. Introduction and experimental section should be kept to a minimum and more emphasis should be placed on salient results of the work.

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References

References are to be indicated by square brackets in the text (e.g. [1]), and given in the format shown below using "Times New Roman" font (10 pt). **Leave one space between the text and references.**

1. A. First, B. Second and C. Third, *Journal*, 12 (2007) 345.

It is mandatory to utilize Full two Pages for the paper

PRE- REGISTRATION FORM

THERMANS-2020

Multipurpose Hall, BARC Training School Hostel, Anushaktinagar, Mumbai, India

January 28-29, 2020 (Workshop)

January 31-February 1, 2020 (Symposium)

Name :

Institution:

Address for Correspondence:

.....

.....

Tel: (O): (R):

Email:

I intend to participate in the **Workshop/Symposium/Symposium & Workshop[#]** and present a paper.

Tentative title of the paper:

.....

Paper should be considered for AWARD : [#]Yes / No

If yes,* age of the participant as on January 1, 2020 :

.

Date:

Signature:

#: Strike out whichever is not applicable

** The proof of the age duly attested by Head of Institute should be submitted along with the pre-Registration form*

REQUEST FOR ACCOMMODATION

THERMANS-2020

Multipurpose Hall, BARC Training School Hostel, Anushaktinagar, Mumbai, India

January 28-29, 2020 (Workshop)
January 31-February 1, 2020 (Symposium)

Name :

Institution:

Address for Correspondence:

.....

.....

Tel: (O): **(R):**

Email:

*** I need / do not need accommodation in Guest House / Hotel.**

I will be accompanied by:

Travel Details:

(a) Flight/ Train:

(b) Date of arrival:

(c) Date of departure:

Date:

Signature:

**: Strike out whichever is not applicable*