

1-Day Workshop on Thermal Behavior of Polymers

Thursday, 7th Nov 2019

9.00 am – 5.00 pm

Seminar Room Epsilon,
Faculty of Applied Sciences (FSG),
Universiti Teknologi MARA (UiTM)



<http://shorturl.at/eK009>

Registration deadline: 7th October 2019

JOIN US NOW !!!

Admission is free. Limited seats.
Please register using the QR code.



Organised by:



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Introduction:

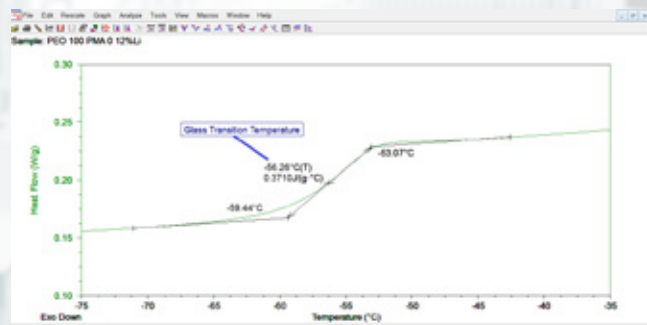
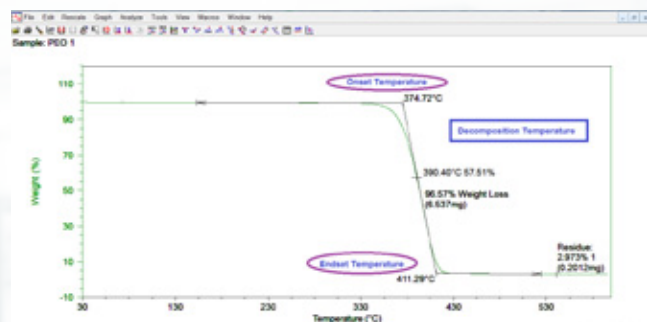
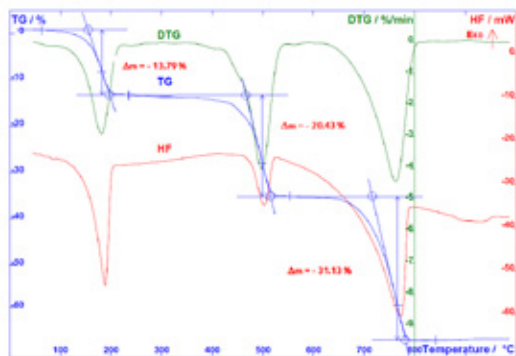
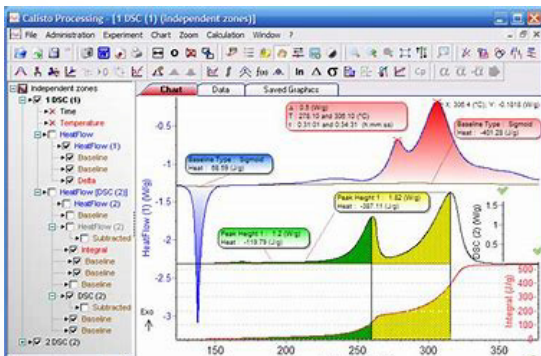
This 1-day workshop is designed to educate the users on thermal properties of polymers or macromolecules, the basics of measurement of these properties, calibration, maintenance, and experimental design related to Thermal Gravimetry Analysis (TGA) and special emphasis will be placed on Differential Scanning Calorimetry (DSC). Topics include basic theory, experimental design and data interpretation.

Who should attend:

Any new or existing user looking for guidance into experimental design and basic data interpretation for TGA and DSC.

Agenda:

- 08:30 - 09:00 Registration (Breakfast provided)
- 09:00 - 09:15 **Welcoming Speech** by Prof. Dr. Farida Zurina Mohd Yusof, Dean of FSG, UiTM
- 09:15 - 10:15 **Lecture 1:** Thermal Properties of Polymers + Q&A Session by Prof. Ts. Dr. Chan Chin Han, FSG, UiTM
- 10:15 - 10:45 Tea Break
- 10:45 - 11:45 **Lecture 2:** Introduction to Thermal Analysis: TGA & DSC by Dr. Wong YM & Ms. Phene Neoh
- 11:45 - 12:45 **Lecture 3:** Data Analysis of TGA & DSC by Prof. Ts. Dr. Chan Chin Han, FSG, UiTM
- 12:45 - 02:15 Lunch
- 02:15 - 03:15 **Sharing 1:** Instrumentation and Software Demonstration
- 03:15 - 04:15 **Lecture 4:** Result Interpretation of TGA & DSC by Prof. Emeritus Dr. Jean-Marc Saiter
- 04:15 - 04:30 **Closing Ceremony** by the Organising Chairman of PCC
- 04:30 - 05:00 Tea Break & Adjourn



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Speakers:



Prof. Ts. Dr. Chan Chin Han is a professor at the Faculty of Applied Sciences of University Teknologi MARA, Malaysia. Her research interest is devoted to physical properties of macromolecules and polymer blends, specifically to thermoplastic elastomers, solid polymer electrolytes, fingerprinting on polymeric products etc. She was appointed as Visiting Scientist at China University of Petroleum, Beijing, China (2011 – 2012), as Chair Professor at Mahatma Gandhi University, Kottayam, India (2014). She has been one of the editors of Malaysian Journal of Chemistry and Materials Mind of Institute of Materials, Malaysia. She is one of the editors of books published by Royal Society of Chemistry (2013) entitled “Natural Rubber Materials” (2 Volumes), and Apple Academic Press (2014 & 2017) (distributed by CRC Press) entitled “Physical Chemistry of Macromolecules - Macro to Nanoscales” and “Functional Polymeric Composites”, respectively. She was appointed as Editorial Advisory Board Member of the Journal of Macromolecular Science, Part A: Pure and Applied Chemistry (Taylor & Francis Group) since 2017 and Polymers (MPDI) since 2018.

<https://fsg.uitm.edu.my/main/index.php/staf/academician/chemistry-environment>



Prof. Emeritus Dr. Jean-Marc Saiter is the Director of the Scientific Pedagogy for Onyx, groupe Nutriset Company, France and a Professor Emeritus of University of Rouen Normandy, France. He published over 200 refereed publications and presented more than 200 oral or poster presentations. He has been leading interdisciplinary research project related to materials sciences focused on disordered solid materials, developing of method to characterize the value of the characteristic time of the molecular dynamic at the glass transition and developing new methods of investigation of the effect of disorder on the physical properties of glassy materials.



Dr. Wong Yoke Ming has earned his Ph.D. degree in Biochemistry from Universiti Sains Malaysia in 2017. He has over 6 years laboratory experience in material sciences with Particle Size Analyzer, FTIR, UV-Vis, TGA-DSC, and AFM. His material

science knowledge also extended to circular dichroism, Raman spectroscopy and MALDI-TOF in wide area of applications.



Ms Phene Neoh has earned her degree in Bioindustrial Sciences from Universiti Putra Malaysia in 2009. She has over 10 years laboratory experience in chemical sciences with DSC, FTIR, UV-Vis and HPLC. Her chemical science knowledge

also extended to GC-MS and CHNS analyzer in different area of applications.

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Organising Committee:

Advisor	Prof. Ts. Dr. Chan Chin Han
Chairman	Suhaila Idayu Abdul Halim
Vice Chairman	Farah Nur'ain Zaharudin
Secretary	Norsyazlin binti Abd Rashid
Vice Secretary	Nur Diyana Syazwani Zambri
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- » Fazhrul Haqimee Zaidon
- » Hairunnisa Ramli

Further enquiries:

Please contact the following:

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019-623 2307 Aina (*Registration*)
012-367 7075 Syahira (*Registration*)

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Postgraduate
Chemistry Club



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