

Virtual Visiting Professor



12 Jan 2022 *EP 2 : Topic*
Gas chromatography, sampling, and applications

19 Jan 2022 *EP 3 : Topic*
Multidimensional and Comprehensive-two-dimensional gas chromatography and applications

26 Jan 2022 *EP 4 : Topic*
GC-Mass Spectrometry and applications

2 Feb 2022 *EP 5 : Topic*
Research group meeting (Research trends in chemistry, energy, food, etc)



Professor Philip Marriott
 School of Chemistry,
 Faculty of Science, Monash University,
 Melbourne, Australia



Dr. Weeraya Khummueng
 Moderator

Meeting ID: 948 4442 6692



Zoom Meeting

Recording...

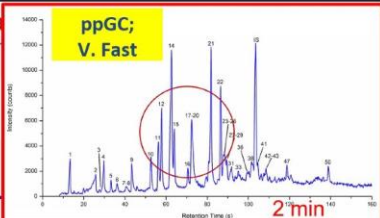
Gas Chroma

Coffee Volatiles

Timor Leste

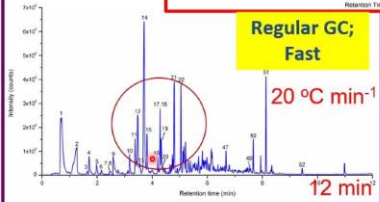
SPME

ppGC; V. Fast



2 min

Regular GC; Fast



20 °C min⁻¹

12 min







6220114063 Ka...

6220114063 Kannika ...

Chat

6220114121 Suriya... to Me (Direct Message) 01:31 PM

ES อาจารย์ครับ สุริยาขอไปเข้าห้องน้ำแปะครับ ขอขอบคุณครับ

Me to 6220114121 Suriya... (Direct Message) 01:31 PM

WK ค่ะ

Me to 6220114121 Suriya... (Direct Message) 01:37 PM

WK เปิดกล้องด้วยนะคะ ถ้าทำได้

Who can see your messages? Recording On

To: 6220114121 Suriya Hahyee... (Direct Message)

Type message here...

Zoom Meeting You are viewing Philip Marriott's screen View Options

Recording...

An interesting phenomenon!! Myrrh oil

Model for on-column transformation of a compound in T. Prog. GCxGC

A → B Thermal rearrangement

After: Meierhenrich et al. J Chromatogr. A

Chemical structures shown: Cuzenene 7, 1,2-Elemene 12, 4-Elemene 11, 1,3-Eurymodulene, Undulene 8, 2-Methylundulene 14', 2-Acetylundulene 15', Germacrene B 10.

Chromatograms (a and b) showing peaks and retention times (min).

Participants: Philip Marriott, Weeraya Khummueng, PONGSANT NUISOH..., 6220114121 Suriya H..., Thanaporn Buathum.

6220114063 Ka..., 6220114063 Kannika...

Mute Stop Video Security Participants Chat Share Screen Pause/Stop Recording Support Reactions More End

Chat

6220114121 Suriya Hahyeeta... to Me (Direct Message)

65 อาจารย์ครับ สรุยาขอไปเข้าห้องน้ำแปะครับ ขอขอบคุณครับ

Me to 6220114121 Suriya Hahyeeta... (Direct Message)

WK ค่ะ

Me to 6220114121 Suriya Hahyeeta... (Direct Message)

WK เปิดกล้องด้วยนะคะ ถ้าทำได้

Who can see your messages? Recording On

To: 6220114121 Suriya Hahyeeta... (Direct Message)

Type message here...

Zoom Meeting You are viewing Philip Marriott's screen View Options

Recording...

Gas Chromatography

See the Cornell Uni slide

Dynamic Molecular Interconversion OXIMES; E-Z isomers

Can be resolved by GC; AND interconversion studied

Acetaldoxime on BP-21 column at 60 °C

Chromatograms showing peaks A and B at different pressures: 5 psi, 8 psi, 20 psi.

A & B SAME mass spectra

Chemical structures: R-CH=N-OH (E (anti) OH) and R-CH=N-OH (Z (syn)).

Participants: 6220310034 Sit..., 6220310170 FITRIYA S..., 6220310189 จุฬินันท์ สาร..., 6220310034 Sitanan..., 6220310124 Sutthisa S..., SILMEE MADENG.

Mute Stop Video Security Participants Chat Share Screen Pause/Stop Recording Support Reactions More End

Chat

6220114121 Suriya Hahyeeta... to Me (Direct Message)

65 อาจารย์ครับ สรุยาขอไปเข้าห้องน้ำแปะครับ ขอขอบคุณครับ

Me to 6220114121 Suriya Hahyeeta... (Direct Message)

WK ค่ะ

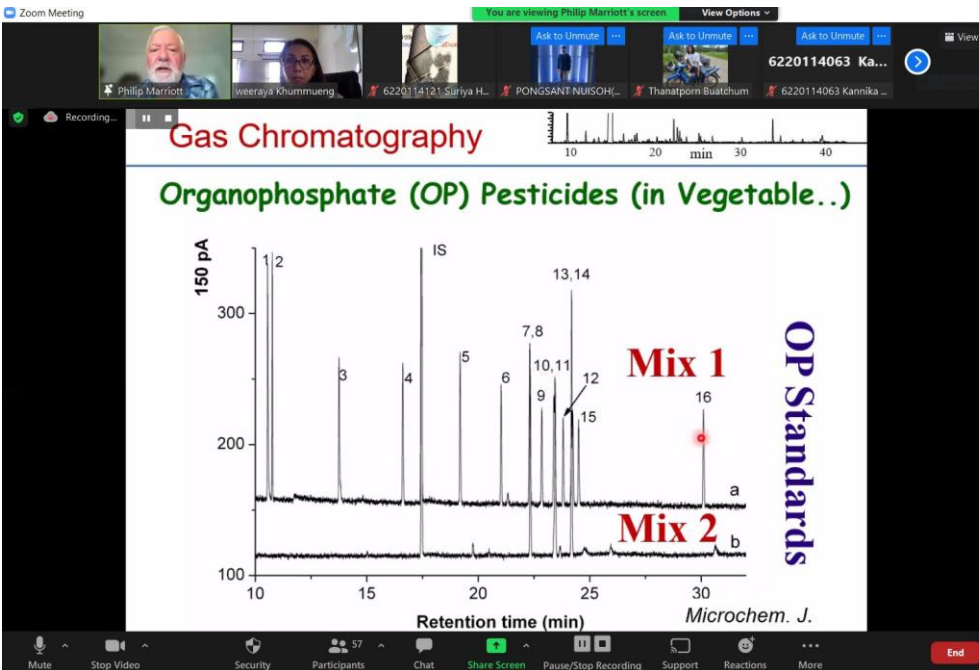
Me to 6220114121 Suriya Hahyeeta... (Direct Message)

WK เปิดกล้องด้วยนะคะ ถ้าทำได้

Who can see your messages? Recording On

To: 6220114121 Suriya Hahyeeta... (Direct Message)

Type message here...



Chat

6220114121 Suriya... to Me (Direct Message)

65 อาจารย์ครับ สุริยา ขอไปเข้าห้องน้ำแปะนะครับ ขอคุณครับ

Me to 6220114121 Suriya... (Direct Message)

WK ค่ะ

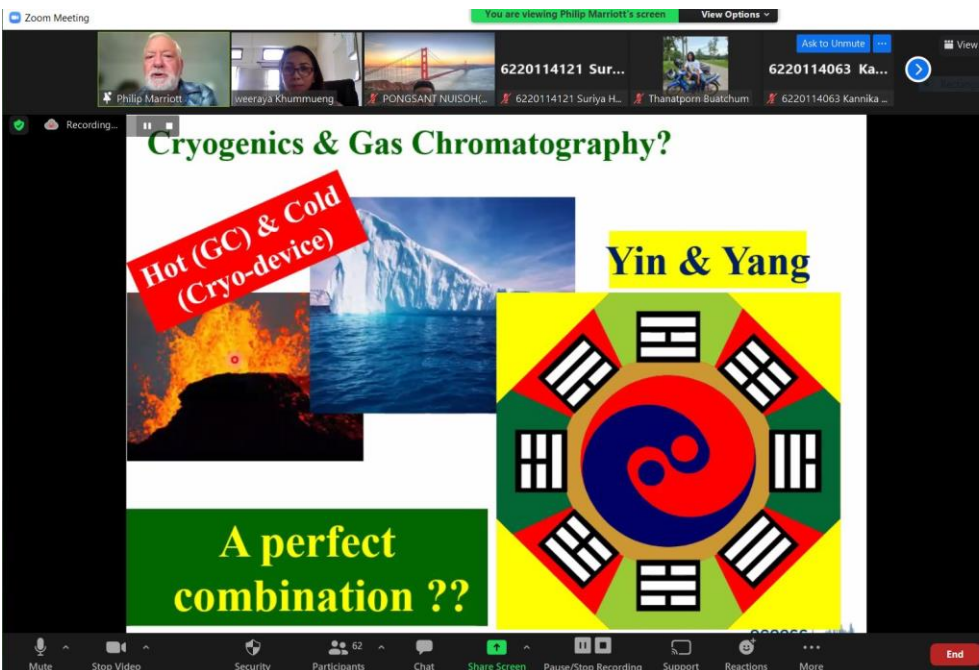
Me to 6220114121 Suriya... (Direct Message)

WK เปิดกล้องด้วยนะค่ะ ถ้าทำได้

Who can see your messages? Recording On

To: 6220114121 S... (Direct Message)

Type message here...



Participants (62)

Q. Find a participant

RM Rusmanee Ma 62220310120(ท...

SILMEE MADENG

S SOFEYAH

SULFAH MAJAE

SURIYANEE DUERASEH

Thanatporn Intagarn

Invite Mute All

Chat

Me to 6220114121 Suri... (Direct Message)

WK ค่ะ

Me to 6220114121 Suri... (Direct Message)

WK เปิดกล้องด้วยนะค่ะ ถ้าทำได้

Who can see your messages? Recording On

To: 6220114121 S... (Direct Message)

Type message here...

