



المؤتمر الدولي السادس
لمصلحة الطب الشرعي
6THEFMA INTERNATIONAL
CONFERENCE

FORENSIC MEDICAL SCIENCES AND ARTIFICIAL INTELLIGENCE

العلوم الطبية الشرعية و الذكاء الاصطناعي
تحت رعاية وزارة العدل



Hilton
CAIRO GRAND Nile

29-30
SEPTEMBER 2025

PRE-CONFERENCE
WORKSHOPS
27TH - 28TH

Innovators
FOR ORGANIZING CONFERENCE



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FORENSIC MEDICAL SCIENCES AND ARTIFICIAL INTELLIGENCE

العلوم الطبية الشرعية و الذكاء الاصطناعي
تحت رعاية وزارة العدل

HANDS-ON & WORKSHOP SCHEDULE



DAY 1

SATURDAY,
27 SEPTEMBER 2025



EGYPTIAN FORENSIC MEDICINE AUTHORITY
(AL SAYEDA ZYNAB), CAIRO, EGYPT

9:00AM - 11:00AM

11:30AM - 1:30PM

HALL A

Workshop: Full Body
Autopsy Techniques,
Organ Dissection, and
Forensic Investigative
Procedures.

Workshop: How to
manage cases of
sudden death through
detailed cardiac
dissection and
interpretation results.



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DAY 2

SUNDAY,
28 SEPTEMBER 2025



HILTON CAIRO NILE TOWER,
CAIRO, EGYPT

9:00AM - 11:00AM

11:30AM - 12:30PM

HALL A

Workshop: Unmasking
Fraud and Financial
Crimes in the Digital Age -
Advanced Forensic
Strategies for Tracking
Cybercriminals (part 1)

HALL B

Workshop:
Comprehensive Urine
Drug Testing and
Monitoring: Methods,
Applications, and Case
Studies
(part 1)

HALL C

Workshop: Toward
Excellence in Medicolegal
Reporting - Standardizing
Wound Documentation,
Opinion Case Studies
(part 1)

HALL D

ورشة عمل: تأثير التكنولوجيا
الحديثة على تزوير التوقيعات
وإشكاليات فحص الصور
الضوئية في العصر الرقمي
(part 1)

COFFEE BREAK 11:00AM - 11:30 AM

BREAK

Workshop: Unmasking
Fraud and Financial Crimes
in the Digital Age -
Advanced Forensic
Strategies for Tracking
Cybercriminals (part 2)

Workshop: Comprehensive
Urine Drug Testing and
Monitoring: Methods,
Applications, and Case
Studies (Including
Adulteration) (part 2)

Workshop: Toward
Excellence in Medicolegal
Reporting - Standardizing
Wound Documentation,
Opinion Formulation, and
Death Certification (part 2)

ورشة عمل: تأثير التكنولوجيا
الحديثة على تزوير التوقيعات
وإشكاليات فحص الصور
الضوئية في العصر الرقمي
(part 2)



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DAY 2

SUNDAY,
28 SEPTEMBER 2025



HILTON CAIRO NILE TOWER,
CAIRO, EGYPT

12:30PM - 2:30PM

3:00PM - 4:30PM

HALL A

Workshop: Revolutionizing
Cybercrime Investigation –
OSINT, Law Enforcement
Software, and AI Solutions

Workshop: Revolutionizing
Cybercrime Investigation –
OSINT, Law Enforcement
Software, and AI Solutions

HALL B

Workshop: VERDOS –
Advanced Forensic
System Applications

ADI Medical services
workshop
Slide into Digital: The
GT450 Experience

HALL C

Workshop: Management
of Survivors of Gender-
Based Violence (GBV),
Including Sexual Assaults:
The Egyptian Protocol

Workshop: Management of
Survivors of Gender-Based
Violence (GBV), Including
Sexual Assaults: The
Egyptian Protocol

HALL D

Workshop: Novel
Applications of Artificial
Intelligence for Identifying
and Differentiating Color
Laser Printouts

Workshop: Next-
Generation Forensics – AI in
Document Authentication
and Toxicological
Screening

COFFEE BREAK 2:30PM - 3:00 PM



FOR ORGANIZING CONFERENCE



CAIRO GRAND NILE

29-30 2025
SEPTEMBER 25

PRE-CONFERENCE
WORKSHOPS
27TH - 28TH



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TUESDAY,
30 SEPTEMBER 2025



HILTON CAIRO NILE TOWER,
CAIRO, EGYPT

3:30PM – 4:30PM

HALL C

Workshop: Foster & Freeman – Advanced Solutions for
Forensic Applications=



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Day (1)





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REGISTRATION

8:00AM – 9:00AM

Opening Ceremony

9:00AM – 11:00AM

MAIN HALL

الكلمة الافتتاحية للدكتور / أيمن حسان (رئيس المؤتمر وكبير الأطباء الشرعيين)
Opening speech by

Dr. Ayman Hassan

Conference President. - Head of Egyptian Forensic Medicine Authority (EFMA) and Chief Forensic Medical Examiner.

الكلمة الترحيبية لمعالي المستشار / عدنان فنجري (وزير العدل)
Welcome Speech by

H.E. Judge: Adnan Fangary (Minister of Justice)

DR. TAHA BAR

Death Investigation System In Egypt.

DR. HANAN HOSNY

Unveiling the Truth: Pathology in Forensics from routine to AI

DR. DINA SHOKRY

From Mummification to Modern Technology

"Forensics in Ancient Egypt and the Role of AI & Imaging in Unveiling the Past

JUDGE. IHAB MINABBAWY

Crime Prevention and Criminal Justice Expert

الكلمة الترحيبية لمكتب الأمم المتحدة المعني بالمخدرات والجريمة - المكتب الإقليمي للشرق الأوسط وشمال أفريقيا

DR. GERMAINE HADDAD

Keynote speech of UN-FPA

الكلمة الرئيسية لصندوق الأمم المتحدة للسكان



Coffee Break

11:00AM – 11:30AM



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DAY 1

SEPTEMBER 29
2025

HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 1:

AI AND IMAGING IN FORENSICS

11:30AM - 1:00PM

PERIOD 1: 11:30AM - 12:15PM

Chairpersons: DR. DINA SHOKRY & PROF. DUARTE NUNO VIEIRA

Keynote:

PROF. DUARTE NUNO VIEIRA  

Artificial Intelligence and Forensic Services: A Path to Equity or Division?

Presenters:

PROF. DJAMIL AZZOUZ & PROF. RACHID BELHADJ 

The Alliance of AI and Forensics: Innovation, Ethics and Justice
(تحالف الذكاء الاصطناعي والطب الشرعي: الابتكار، الأخلاقيات، والعدالة)

DR. ABEER ZAYED 

Disaster Medicine: Forensic Challenges and Humanitarian Duties



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HALL (1): FORENSIC MEDICINE &
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Session 1:

AI AND IMAGING IN FORENSICS

11:30AM - 1:00PM

PERIOD 2: 12:15PM - 1:00PM

Chairpersons: DR. TAHA BARR & PROF. MICHEL THALI

Keynote:

PROF. MICHEL THALI 

the "Thali View" - Forensic Imaging from the Past into the Future

Presenters:

**DR. RAGHVENDRA KUMAR VIDUA, DR. NIRANJAN SAHOO, DR. RASHA ANWAR,
DR. ARNEET ARORA, DR. RAJESH MALIK, DR. RADHA S. GUPTA** 

Estimating Age, Stature, and Determining Sex Using Radiographic
Parameters of Cervical Vertebrae via Digital X-Ray Imaging in Autopsy Cases

**DR. SHERENE EL-KHATEEB, MARWA ELSAYED ABD ELHAMED, MONA SAMI
HAMED, AMER-ABDEL MONIEM** 

Sex Determination from Sacrum and Coccyx Measurements Using MRI in a
Sample of Egyptian Population



Coffee Break

1:00PM - 1:30PM



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DAY 1

SEPTEMBER 29
2025

HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 2:

GENDER BASED VIOLENCE

1:30PM - 3:30PM

PERIOD 1

Chairpersons:

JUDGE: KHALED ABD-ELWAHAB,
DR. AYMAN HASSAN
MAJOR GENERAL. AHMED THANI BIN CHALITA AL MUHAIRI
PROF. YANKO G. KOLEV

Keynote:

PROF. YANKO G. KOLEV 

Emerging Technologies in Medico-Legal Investigation: Traces, Teams, and Truth

Presenters:

DR. DINA G. A. IBRAHIM & EWA WOLSKA 

Sexual Assault Referral Centres: Insight from UK's Experience in
Supporting Victims of Sexual Abuse

**DR. MASSINISSA BENYAGOUB, R.S. BENAZZOUEZ, S. TASFAOUT,
Z. GUENOUNI AND D. AZZOUEZ** 

Five-Year Review of Child Sexual Assault Cases at Laghouat Hospital, Algeria

**DR. REHAM NAFAD ELBENDARYA, DINA ALI SHOKRY, WESSAM
SAYED DEEB AND ENAS MOHAMED MORSI** 

Female Genital Mutilation (FGM): Is It Still an Existing Problem in Egypt?



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SEPTEMBER 29
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HALL
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HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 2:

GENDER BASED VIOLENCE

1:30PM - 3:30PM

PERIOD 2

Chairpersons: AHMED FATHY & PROF. JOZEF ŠIDLO

Keynote:

PROF. JOZEF ŠIDLO 

Medical Field Forensic Medicine in Slovakia

Presenters:

PROF. NISHAT AHMED SHEIKH 

Legal Responsibilities and the Role of Medical Doctors in Child Abuse Cases in India

DR. RASHA ELHADDAD ALI MOUSA, SOHEIR ALI MOHAMED, TASNEEM MOHAMED BAKHEET, MAY MAHMOUD ABDELLAH, ALAA MOHAMED MAHMOUD MAZEN, ASMAA MOHAMMED KHALAF AHMED 

Marital Rape: Knowledge, Attitudes and Prevalence in a Sample of Married Women in Sohag Governorate

DR. NEHAL HASSAN FOUAD 

Forensic Autopsy Findings in Fatal Air Compression Injury with Associated Perianal Trauma: Case Report



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HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 3:

FORENSIC PSYCHOLOGY

3:30PM - 5:00PM

PERIOD 1

Chairpersons: DR. ASHRAF ELIAN & PR. RACHID BELHADJ

Presenters:

PROF. RACHID BELHADJ 

History of Algerian Forensic Medicine: Present and Prospects

**DR. HEBA YOUSEF A. SALIM, MONA ELSAYED, MOHAMED HAFEZ
MOHAMED, MOHAMED S. HEMEDA, ALAA RAMADAN, NATHAN EZIE
KENGO, NOHA M. ABU BAKR ELSAID** 

Prevalence and Factors Associated with Anxiety Disorder Among Married Women Exposed to Violence

DR. SARA MOHAMED ABDEL MAKSoud 

Death's Hidden Testimony: A Critical Review of Psychological Autopsy in Forensics



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DAY 1

SEPTEMBER 29
2025

HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 3:

FORENSIC PSYCHOLOGY

3:30PM - 5:00PM

PERIOD 2

Chairpersons: **DR. HANAN AL-FARSY & CAROLINE WARD**

Keynote:

MRS. CAROLINE WARD 🇮🇹

Psychological Counselling for Adult Survivors of Childhood Abuse

Presenters:

DR. DOAA ABD ELRAHMAN ISMAIL 🇪🇬

Unusual Suicide by Multiple Self-Inflicted Stab and Cut Wounds:
A Postmortem Case Report

DR. NOHA FEKRY GHANEM 🇪🇬

Familial Homicide-Suicide: A Series of Case Reports



Lunch

5:00PM - 6:00PM



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DAY 1

SEPTEMBER 29
2025

HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 1:

ACCREDITATION & DIGITAL TRANSFORMATION

1:30PM - 3:00PM

PERIOD 1

Chairpersons: **DR. SOHA RAFAT & PROF. ROBERT GREEN**

Keynote:

PROF. ROBERT GREEN 

A Decade of Progress: Reflections on Forensic Quality and the EFMA Journey

Presenters:

DR. MOSTAFA ABUELHAMED 

Formed System: Experience of Digital Transformation of Forensic Medicine

PROF. RAJESH KUMAR, DR. ABHAYKUMAR DHEERAJ, DR. NISHAT AHMED SHEIKH 

Developing SOPs for Medico-Legal Cases in INI Healthcare System:
Framework for Quality, Uniformity, and Legal Compliance



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DAY 1

SEPTEMBER 29
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HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 1:

ACCREDITATION & DIGITAL TRANSFORMATION

1:30PM – 3:00PM

PERIOD 2

Chairpersons: **DR. HEBA GEBALY & DR. HANI DESSOKY**

Keynote:

DR. MOHAMED AHMED MOHAMED EL SAYED 🇪🇬

Accreditation in Egypt: The Strategic Role of EGAC

Presenters:

DR. HEBA GEBALY 🇪🇬

From Preparation to Accreditation: EFMA Perspective

VERIDOS

IDENTITY SOLUTIONS

by Giesecke+Devrient
and Bundesdruckerei

STEFAN SAUTER

Insights into the Groundbreaking ANDE Rapid-DNA Technology



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SEPTEMBER 29
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HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 2:

APPLIED TOXICOLOGY IN FORENSICS

3:00PM - 4:30PM

PERIOD 1

Chairpersons: **DR. MOHAMED MOSTAFA & DR. MAHA MAZROUA**

Keynote:

DR. MAHA MAZROUA 

Quality Management System in Forensic Toxicology Laboratories:
A Comparative Study

Presenters:

DR. WAEEL FATHY AHMAD, MOHAMED MOSTAFA, NADA SELIEM 

Effects of Methamphetamine Abuse on Food Controlling Hormones
(Leptin & AgRP) During Early Abstinence

**DR. AHMED M. ELESSAWYA, SHERIF KH. EL-SAEEDA,
TAREK F. ABD EL-HAMIDA, MOHAMMED M. EL-GAMILA** 

Development and analytical profiling of novel Clonazepam derivatives



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HALL
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HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 1:

ACCREDITATION & DIGITAL TRANSFORMATION

1:30PM - 3:00PM

PERIOD 2

Chairpersons: DR. MOHAMED EL-GAMEEL & PROF. DENIS CUSAK

Keynote:

PROF. DENIS CUSAK 🇮🇹

Forensic Medicine and Science Technology in Road Safety to Tackle Drivers with Intoxicant Use Disorder

Presenters:

DR. HALA MOHAMED HENEEDAK 🇸🇪

Nitazenes: A Rising Threat in Synthetic Opioids – Preparedness of Egyptian Forensic Chemistry Laboratories

DR. AHMED SHEHATA 🇸🇪

Toxicity of Black Stone Hair Dye: Forensic Analyses of P-Phenylenediamine (PPD)



Lunch

5:00PM - 6:00PM



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DAY 1

SEPTEMBER 29
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 1:

SECURITY, WRITING, AND PRINTING INK ANALYSIS

11:30AM - 1:00PM

Chairpersons: DR. AML RYAD, PROF. KOMAL SAINI

Keynote:

PROF. KOMAL SAINI 

Determination of Sequence of Strokes: A Forensic Examination of Build-Up Documents.

Presenters:

DR. AL-SHARIF H. MOHAMED, NOHA A. MOHAMED, AHMED SAEED ABD-ELMONSEF, IBRAHIM MOHAMED ABD AL-AZIZ, HAMADA ABD ALWHAB 

Mono-chromic/Thermochromic Laser Printer Toner Characterization Using Magnetic Measurement, FTIR, and XRF Spectroscopy.

DR. AHMED ABDELGAWAD 

Advancing Ballpoint Pen Ink Differentiation: Controlling Luminescence and Quenching in Spectroscopic and Chromatographic Studies

DR. MAY WEZA, DR ALI SAAD 

The Technological Race Between Banknote Security Features and Counterfeiting Methods.

DR. ATTIA NASSER, DR. HISHAM IMAM, DR. MOHAMED ABD-ELSATTAR 

Procedure to Discover Future Potential Crimes in Documents Conducted with Laser Technology.



Coffee Break

1:00PM - 1:30PM



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DAY 1

SEPTEMBER 29
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 2:

HANDWRITING ANALYSIS

1:30PM - 3:00PM

PERIOD 1

Chairpersons: DR. AMAL ALI, SAMIAH IBRAHIM

Keynote:

SAMIAH IBRAHIM 🇨🇦

Challenges for Forensic Handwriting Examiners in the Era of AI-Synthesized Handwriting on Digital Documents.

Presenters:

DR. DUNIA ATTYANA, DR. NAZIH JARADAT 🇸🇩

Effects of Copybook System Development on Arabic Handwriting Styles in Palestine / The West Bank.

DR. MOSTAFA TOLBA 🇪🇬

دور أبحاث التزييف والتزوير والخطوط اليدوية في جرائم الانتحار: دراسة حالة



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DAY 1

SEPTEMBER 29
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 2:

HANDWRITING ANALYSIS

1:30PM - 3:00PM

PERIOD 2

ROUND DISCUSSION

Chairpersons: **DR. AMAL ALI**
DR. TAREK KELANI
PROF. KOMAL SAINI
SAMIAH IBRAHIM.

Title:

The Challenge of Divergent Expert Opinions on Handwriting Examination and Comparison

إشكالية التباين في آراء الخبراء حول فحص ومضاهاة الخطوط اليدوية



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DAY 1

SEPTEMBER 29
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 3:

FINANCIAL FRAUD AND DIGITAL CRIMES

3:00PM – 5:00PM

PERIOD 1

Chairpersons: **BRIGADIER GENERAL: MOSTAFA KHIDER,**
JUDGE: MOHAMED SAMIR

Keynote:

BRIGADIER GENERAL: MOSTAFA KHIDER 

From Fingerprint to Digital Print: Evidence in Financial Fraud Investigations.

Presenters:

JUDGE: MOHAMED SAMIR 

حجية الدليل الرقمي المعزز بالخوارزميات

**PROF. JOHANNES MAUCHER, DANIEL GRIESSHABER, PATRICK
TAKENAKA, MANUEL EBERHARDINGER, ROLF FAUSER** 

Is Inkjet Printer Classification Using Artificial Intelligence a
Vision or a Reality?



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HALL
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HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 3:

FINANCIAL FRAUD AND DIGITAL CRIMES

3:00PM - 5:00PM

PERIOD 2

Chairpersons: DR. MOHAMED HEGAZY & DR. ESSAM FAHMY

Keynote:

DR. MOHAMED HEGAZY 🇪🇬

Navigating Cyber Crime: Connecting Technology and Justice in Digital Forensics.

Presenters:

DR. ESSAM FAHMY & DR. MOHAMED HILAL 🇪🇬

تقييم إمكانيات الذكاء الاصطناعي في مقارنة الخطوط والتوقيعات

DR. FATMA KHALIFA 🇪🇬

Cyber Violence: Violation of Human Rights Against Women.

DR. EZZAT SADEK 🇪🇬

Digital Forensic Examination of Fax Machine Output: Technical Methodologies and a Case.



Lunch
5:00PM - 6:00PM



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Day (2)





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DAY 2

SEPTEMBER 30
2025



HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 1:

MEDICOLEGAL LIABILITY & CRIME SCENE ADVANCES

9:00AM - 11:00AM

PERIOD 1

Chairpersons: **DR. EMAD ALSHAHAT & DR. ANWER AL-ARABI**

Keynote:

DR. ANWER AL-ARABI 

Medical Liability Case Reports

Presenters:

DR. EMAN EL ZAHED 

Artificial Intelligence in Forensic Medicine: Medicolegal Aspects and Ethical Considerations

DR. DALIA M. ALSAIF 

Legal Liabilities of Forensic Medicine Practitioners

DR. KHADIGA MOHAMMED AHMED ABDELRAHMAN, ABEER M. HAGRAS, SHAIMAA A. SHEHATA, FATHY A. NADA, HEBATALLA M. ALY, ENAS M. A. MOSTAFA

Medical Error Disclosure among Cardiologists: Ethical and Legal Issues



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HALL
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HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 1:

MEDICOLEGAL LIABILITY & CRIME SCENE ADVANCES

9:00AM - 11:00AM

PERIOD 2

Chairpersons: DR. MERVAT AGAMY & DR. FAHAD ALDOSARI

Keynote:

DR. FAHAD ALDOSARI  

The Evolution of Biometric Data in Criminal Investigations

Presenters:

DR. HISHAM ELSAYED RAGAB, DR. HEIDI EL-SOBKY 

AI From Scene to Courtroom: Transformations, Challenges, and Ethical Imperatives

DR. SHROUK MOHAMED ALI 

Impact of Egyptian Climate on Postmortem Changes

**DR. HEBA IBRAHIM ALI LASHIN, NADIA EZZAT HELAL, MAI
MOHAMMED MAHRAN, ASMAA FADY SHARIF** 

Patterns and Outcomes of Blunt & Penetrating Cardiothoracic Injuries:
A Medicolegal Study



Coffee Break

11:00AM - 11:30AM



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DAY 2

SEPTEMBER 30
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HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 2:

SUDDEN DEATH & AUTOPSY CHALLENGES

11:30AM - 1:00PM

PERIOD 1

Chairpersons: DR. HANAN HASSAN & DR. MAJED ZEMNI

Keynote:

DR. MAJED ZEMNI 

الطب الشرعي والذكاء الاصطناعي: المستجدات والتحديات

Presenters:

**DR. HAZEM MAHMOUD ALI, NORA FNON, ATHAR M. KHALIFA,
ENAS M.A. MOSTAFA, KHADIGA M. ABDELRAHMAN,
MAHROUS A. IBRAHIM** 

Biventricular Arrhythmogenic Cardiomyopathy as Autopsy-Diagnosed Cause
of Sudden Cardiac Death

DR. HANAN FAROUK ELFARESY 

Fat Embolism vs Medical Malpractice: A Forensic View



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DAY 2

SEPTEMBER 30
2025



HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 2:

SUDDEN DEATH & AUTOPSY CHALLENGES

11:30AM - 1:00PM

PERIOD 2

Chairpersons: **DR. NORA FNON &
ASST. PROF. DR. HIZIR ASLIYÜKSEK**

Keynote:

ASST. PROF. DR. HIZIR ASLIYÜKSEK 

Structure of the Council of Forensic Medicine (ATK), Türkiye

Presenters:

DR. AHLAM BASHIR ELBEDWI, HODA TAWEL, MARWAH IKDEEWISH 

Granulomatous Pericarditis in a Sudden Death



DR. HOSSAM AYHAM

AI-Powered Digital Pathology



Coffee Break

1:00PM - 1:30PM



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DAY 2

SEPTEMBER 30
2025



HALL
(I)

HALL (I): FORENSIC MEDICINE &
PATHOLOGY

Session 3:

FORENSIC CHALLENGES & INNOVATIONS

1:30PM - 3:00PM

PERIOD 1

Chairpersons: **DR. AYMAN HASSAN & DR. YUSUF ATAN**

Keynote:

DR. YUSUF ATAN 

The Role of Forensic Medicine Specialists in Mass Incidents: 2023 Türkiye Twin Earthquake Experiences

Presenters:

DR. DOAA TAWFIK ELSHEIKH 

Disaster Victim Identification: Innovations and Ethical Considerations

DR. MANISH SHRIGIRIWAR 

Importance of Medical Certificate of Cause of Death in Brought Dead Cases - Indian Perspective



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DAY 2

SEPTEMBER 30
2025

HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 3:

FORENSIC CHALLENGES & INNOVATIONS

1:30PM - 3:00PM

PERIOD 2

Chairpersons: **DR. PANSEE MAKLED & DR. NORA FNON**

Keynote:

DR. NORA FAWZY FNON 

Pathological Causes of Sudden Death in Autopsied Children: An Egyptian Perspective

Presenters:

DR. OMAR AHMAD BAADHEEM, MAGDY KHROSHAH, DALIA AL-SAIF 

Subdural Hemorrhage in Hanging Deaths: A Retrospective Case-Control Study

AMAR JYOTI PATOWARY, DR. LOKESH RAVI VARMA

Craniofacial Injury – Comparison of Findings of Virtual Autopsy with Conventional Autopsy



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DAY 2

SEPTEMBER 30
2025

HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 4:

FORENSIC PATHOLOGY INSIGHTS

3:00PM - 4:30PM

PERIOD 1

Chairpersons: DR. TAHA BARR & DR. MANAL BAMOUSSA

Keynote:

DR. MANAL BAMOUSSA 

Latest Radiological Trend in Assessing Domestic Violence

Presenters:

DR. SANJAY GUPTA 

Influence of Hand Dimensions on Fingerprint Ridge Density (FPRD) in Gujarati Ethnicity, India

DR. SHAIMAA A. SHEHATA 

Drowning as a Method in Complex Suicides



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DAY 2

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HALL
(1)

HALL (1): FORENSIC MEDICINE &
PATHOLOGY

Session 4:

FORENSIC PATHOLOGY INSIGHTS

3:00PM - 4:30PM

PERIOD 2

Chairpersons: : DR. AYMAN KAMAL & DR. NERMINE KOTB IBRAHIM

Keynote:

DR. NERMINE KOTB IBRAHIM 

Role of Histopathological Examination in Violence-Related Cases:
A Simplified Approach

Presenters:

DR. MOHAMMED ALMULHIM 

A Rare Case of Fatal Lightning Strike in Dammam with Unusual Cutaneous Findings

**DR. MAI MOUSTAFA MAGDI, OMNIA ADEL OMAR, HEBBA GAMAL KOTB,
HESHAM ADEL HASSAN** 

Occurrence Patterns of Ocular Injuries and Their Forensic Aspects at Kasr Al-Ainy Hospital



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DAY 2

SEPTEMBER 30
2025

HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 1:

INNOVATIONS IN FORENSIC TECHNOLOGY & DNA APPLICATIONS

9:00AM - 11:00AM

PERIOD 1

Chairpersons: **DR. SOHA RAAFAT & PROF. STEFAN SAUTER**

Keynote:

PROF. STEFAN SAUTER 

How Veridos' VeriDNA ID Solution combined with ANDE Rapid-DNA Technology can improve a country's rule of law



Presenters:

DR. GHADA OMRAN 

From Sample to Suspect: Enhancing Leads through AI-Based Forensic DNA Phenotyping

DR. AMANI ABDELFAHAT 

Nano-forensics: the opportunities, the challenges and the regulations



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DAY 2

SEPTEMBER 30
2025

HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 1:

INNOVATIONS IN FORENSIC TECHNOLOGY & DNA APPLICATIONS

9:00AM - 11:00AM

PERIOD 2

Chairpersons: DR. MONA HAMZA & DR. HEBA GEBALY

Keynote:

DR. HEBA GEBALY 

Correlating 3 unknown burned cadavers to their biological mother using Low Copy Number DNA

Presenters:

DR. DENA MOHAMED NAGUIB ABDEL MOAWED 

Forensic genetics in the era of artificial intelligence



MR. FENGXING (PETER) CHEN

Cutting-edge High-Throughput Sequencing Technologies in Forensic Science



Coffee Break

11:00AM - 11:30AM



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DAY 2

SEPTEMBER 30
2025



HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 2:

FORENSIC DNA & GENETIC EVIDENCE

11:30AM - 1:30PM

PERIOD 1

Chairpersons: **DR. MERVAT ANSARY & DR. HEBA ERAKY**

Keynote:

DR. HEBA ERAKY 

A Case of a Rare Chromosomal Disorder in Azoospermic Male (Case Study)

Presenters:

PROF. MERVAT ANSARY 

The Role of Artificial Intelligence (AI) in Forensic Medicine



DR. MICHAŁ BOROŃ

Development of the new EZ2 DNA Investigator Sep & Prep Kit for automated processing of sexual assault samples



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DAY 2

SEPTEMBER 30
2025

HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 2:

FORENSIC DNA & GENETIC EVIDENCE

11:30AM - 1:30PM

PERIOD 2

Chairpersons: **DR. PHOEBE YACOB &
DR. SOHA AHMED RAAFAT YOUSSEF**

Keynote:

DR. SOHA AHMED RAAFAT YOUSSEF 

Resolving False Exclusion in Paternity Testing via STR Kit Comparison

Presenters:

DR. NEHAD ASSEM EL SHERIF 

Influence of family environment on domestic violence crimes by using DNA typing methods

DR. AISHA B. AL-MUKHAINI 

Optimizing DNA Recovery from Drug-Related Evidence: Comparative Evaluation of Sample Collection Techniques



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DAY 2

SEPTEMBER 30
2025

HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 3:

ANALYTICAL TOXICOLOGY APPROACHES

1:30AM - 3:30PM

PERIOD 1

Chairpersons: DR. MOHAMED MOSTAFA & PROF. ASHRAF MOZAYANI

Keynote:

PROF. ASHRAF MOZAYANI 

Enhancing Forensic Interpretation: The Synergistic Impact of ISO 21043-4 and Smartwatch Data

Presenters:

DR. NEHAD SAMIR ABO-ELFTOUH & DR. MOHAMED MOSTAFA 

Forensic toxicology detecting family poisoning by chlorphenapyr:
A case study

**DR. HALA M. HENEEDAK, KHALED M. DARWISH,
SAMIA M. MOSTAFA, MOHAMED SALEH ELGAWISH** 

Revealing Pharmacokinetic Interactions of Tramadol, Tapentadol, and Venlafaxine: LC-MS/MS approach in rat plasma



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DAY 2

SEPTEMBER 30
2025

HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 3:

ANALYTICAL TOXICOLOGY APPROACHES

1:30AM - 3:30PM

PERIOD 2

Chairpersons: **DR. AHMED ABDELSHAFY & DR. MUTAZ AL QAZZAZ**

Keynote:

DR. MUTAZ AL QAZZAZ 

Fatal Methamphetamine Poisoning: Forensic Case Presentation

Presenters:

**DR. KHALED SHEHATA ALI, NEVEEN A. HUSSEIN,
MOHAMMAD A. AHMAD** 

Repurposing of Tramadol and/or Ketamine as potential anticancer medications in human prostate cancer cells DU145 and PC3

DR. SHERIF ABD EL-NABI ABD EL-AATY MOHAMED 

Design of a GC-MS Software Application for Detection of Unknowns



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DAY 2

SEPTEMBER 30
2025

HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 4:

FORENSIC CLINICAL TOXICOLOGY

3:30AM - 5:00PM

PERIOD 1

Chairpersons: DR. ALAA ALI HASSAN & DR. KHALID SAJJAD FERAS

Keynote:

DR. KHALID SAJJAD FERAS 

Gelatin-Based Hydrogels as a Novel Medium for Efficient Recovery of Organic Explosives from Post-Blast Residues: A Forensic Perspective

Presenters:

**DR. AMIRA ALI ALSAYED ABDELNOOR, MOSTAFA M. KAMEL,
FATMA M. ELGAZZAR, AFAF M. ELSAID,
ANAS M. EL-BASUONY ABOSAMAK** 

Between Choice and Compulsion: Can the Addict Be Blamed?

**DR. RASHA AUF, REHAM ABDELHAKHEEM ABDELGABER,
SALLY SAID KAMEL** 

Autopsy, Histopathological, and Toxicological Findings in Postmortem Cases Involving New Psychoactive Substances and Pesticides: A One-Year Retrospective Study



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DAY 2

SEPTEMBER 30
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HALL
(2)

HALL (2): FORENSIC
TOXICOLOGY & GENETICS

Session 4:

FORENSIC CLINICAL TOXICOLOGY

3:30AM - 5:00PM

PERIOD 2

Chairpersons: DR. MOHAMED HASSAN

Keynote:

DR. EMAM AHMED ALI 

1.Detection of MDMB-4en-PINACA and its metabolites in urine samples by LC-MS-Orbitrap

Presenters:

PROF. HATEM ABDELMONIEM AHMED 

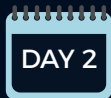
Detection of toxic heavy metals in facial cosmetics

PROF. OMAIMA ABO ELMAATY 

Multi-dimensional Diagnostic Framework (MDF) in Forensic Toxicology



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DAY 2

SEPTEMBER 30
2025



HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 1:

FORGERY & DOCUMENT EXAMINATION

9:00AM - 11:00PM

PERIOD 1

Chairpersons: **ROLF FAUSER, DR. MOHAMED NASSAR**

Keynote:

PROF. ROLF FAUSER 

Applied Artificial Intelligence (AAI) for Forgery Detection in Document Verification (DOKIQ).

Presenters:

PROF. KOMAL SAINI 

Forensic Examination of Effects of Old Age and Illness on Handwriting Characteristics.

**DR. ZAKARIA ABDELHAMID, DR. RANIA ABDELAZEEM,
DR. MOSTAFA AGOUR** 

A Novel Phase-Encrypted Holographic Method for Securing Digital and Printed Documents Against Forgery.

DR. AHMAD SAED, DR. RANIA HASSAN 

1.Common Security Inks of Valuable Documents and One-To-Many Techniques.



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DAY 2

SEPTEMBER 30
2025



HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 1:

FORGERY & DOCUMENT EXAMINATION

9:00AM - 11:00PM

PERIOD 2

Chairpersons: MARC GAUDREAU, DR. SAMEH FAROUK MOSTAFA

Keynote:

PROF. MARC GAUDREAU 🇨🇦

Integrating a Forensic Laboratory in a Security Printing Manufacturer.

Presenters:

PROF. SAMIAH IBRAHIM & MARC GAUDREAU 🇨🇦

Document Dating Essentials.

**DR. TOQA EL FIKY, DR. INAS EL MEHALLAWI, DR. M M SHAHIN,
DR. NADIA HELAL** 🇪🇬

Determining Handedness (Right or Left) Based on Axis Slant and Rotation of Central Ridge in Plain Spiral Whorl Fingerprints: An Egyptian Sample Study.



Coffee Break

11:00AM - 11:30AM



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DAY 2

SEPTEMBER 30
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Workshop

11:30AM - 12:00PM

Regula

MIKALAI DZEMIDOVICH,

International Marketing & Business Development Manager

Regula Tools for Advanced Forensic Document and Currency Examination



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DAY 2

SEPTEMBER 30
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 2:

HANDWRITING ANALYSIS & DOCUMENT EXAMINATION

12:00PM - 1:00PM

Chairpersons: MOSTAFA KHALLAF, DR. EMAD HASHEM

Keynote:

DR. EMAD HASHEM 🇸🇪

Academic reading between two scientific papers: multi-individuality in handwriting , Accuracy and reliability of forensic handwriting comparisons.

Presenters:

DR. SOAD A. ELSAADANY 🇸🇪

Synthesis of Luminescent Ink (UV Ink) as a Security Feature in Valuable Documents.

DR. ALAA ASSAF, DR. REHAM ZAKY 🇸🇪

الأرشيف الورقي للآثار المصرية: آليات التحقق من الأصالة ومكافحة التزوير

DR. AFNAN EL-BADRAWY, SHERIF MADKOUR, YOSAB DAWOOD , AHMED USAMA , HAZEM SOBH , FATMA MAMDOUH , AHMED ALI , NADA AHMED, OMARFAROUK 🇸🇪

The Role of Artificial Intelligence in Forensic Biometrics: Fingerprint, Stamp, and Signature Analysis.



Coffee Break

1:00PM - 1:30PM



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DAY 2

SEPTEMBER 30
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 3

VOICE EVIDENCE & FORENSIC SCIENCE

1:30PM - 3:30PM

PERIOD 1

Chairpersons: PROF. MERVAT MOHAMED, DR. MOHAMED ZEDAN

Keynote:

PROF. MERVAT MOHAMED 🇪🇬

أهمية الأدلة الصوتية في التحقيقات القضائية

Presenters:

**DR. EMAN KASSEM, DR. MOHAB ABDEL AZIZ, DR. MOSTAFA ABDO,
DR. NAYRA EL HELBAWY, DR. HISHAM RAGAB** 🇪🇬

Forensic Voice Authentication: Design and Implementation of a Voice Biometric System for Secure User Verification.

**DR. EMAN KASSEM, DR. MENNA ANWAR, DR. NAYRA EL HELBAWY,
DR. HISHAM RAGAB** 🇪🇬

Forensic Detection of AI-Generated Voice Message Forgeries Using Long-Term Average Spectrum.

**DR. MYTHAM AYMAN, DR. EMAN KASSEM, DR. MARIAM ABD
ELAZIZ, DR. MOHAB ABDEL AZIZ** 🇪🇬

Unmasking AI-Generated Voices: A Comparative Forensic Acoustic Analysis of Man vs. Machine Detection



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DAY 2

SEPTEMBER 30
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HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Session 3

VOICE EVIDENCE & FORENSIC SCIENCE

1:30PM - 3:30PM

PERIOD 2

Chairpersons: DR. FARAG MADBOLY

Presenters:

DR. HEBA ESSA, DR. POLA NAKHLA, DR. AHMED ALTANTAWY 🇪🇬

Forgery by Erasable Ink.

DR. IBRAHIM ABD EL AZIZ 🇪🇬

Effective Techniques for Removing Laser Toner from Paper Surfaces and Its Application in Forgery of Documents.

DR. ESSAM FAHMY 🇪🇬

أعمال الخبراء القضائيين الإجرائية والفنية .



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DAY 2

SEPTEMBER 30
2025

HALL
(3)

HALL (3): FORGERY & DOCUMENT
EXAMINATION

Workshop

3:30PM - 4:30PM

foster+freeman



PROF. PETER BENWELL

Advanced solutions for forensic applications



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Closing Ceremony

4:30PM - 5:00PM

MAIN HALL



Lunch

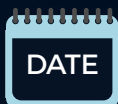
5:00PM - 6:00PM



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Poster Presentations



DATE

MONDAY,
29 SEPTEMBER 2025



HILTON CAIRO NILE TOWER,
CAIRO, EGYPT - EXHIBITION AREA

11:00AM - 1:30PM

P01

DR. ABDULAZIZ A. ALMAZRUA



The Relationship Between Having a Non-Nuclear Family and Child Abuse Incidents in Eastern Region, Saudi Arabia

P02

DR. SHEREEN ELKHATEEB



Application of Artificial Intelligence in Forensic Science

P03

DR. DOAA MANSOUR & DR. MOHAMMED SALIM ALRAHEEM



New HS-GC_FID and Traditional Enzymatic Methods for Blood Alcohol Analysis in Myocardial Infarction Patients - A Comparative Study in Libya

P04

HEBA IBRAHIM ALI LASHIN



Age Estimation Based on sternebral Fusion in Egyptian Population Using Three-Dimensional Computed Tomography Scanning



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Poster Presentations



DATE

MONDAY,
29 SEPTEMBER 2025



HILTON CAIRO NILE TOWER,
CAIRO, EGYPT - EXHIBITION AREA

11:00AM - 1:30PM

P05

BENCHAAABANE OUSSAMA 🇩🇪

Forensic Medicine Digitization - Experience of the Forensic Medicine Department at the Mustapha University Hospital, Algiers

P06

MARWA MOHAMMED AWAGA 🇸🇪

Molecular Markers in Skin Wound Vitality and Age Determination Integrating mRNA and miRNA Signatures

P07

MARWA M. FAWZI & HANAN SALEM 🇸🇪

The Role of Humanitarian Sciences in Legal Medical Education: A Middle East Perspective

P08

ISRAA MOHAMED ABDELFAH ISMAIL 🇸🇪

Effect of Dimethyl Fumarate on Cognitive Deficits in Experimentally Induced Alzheimer's Disease



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IMPORT, EXPORT & AGENCIES



CARRO GRAND HILL

29-30-20
SEPTEMBER 25

PRE-CONFERENCE
WORKSHOPS
27TH - 28TH



The United Nations Office on Drugs and Crime (UNODC) contributes to global peace and security, sustainable development, and human rights by helping to make the world safer from drugs, crime, corruption, and terrorism, leveraging normative expertise, research and capacity-building through global, regional and national programmes.

UNODC's mandate is enshrined in the three UN drug control conventions (the 1961 Single Convention, the 1971 Convention on Psychotropic Substances, 1988 Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances), the UN Convention against Transnational Organized Crime (UNTOC) and its Protocols, the UN Convention against Corruption (UNCAC), the universal instruments against terrorism and the UNGA adopted UN cybercrime convention.

Established in 1997 in Cairo, the UNODC Regional Office for the Middle East and North Africa (ROMENA) supports Member States across the region, specifically in Algeria, Egypt, Iraq, Jordan, Lebanon, Libya, Morocco, Palestine, Sudan, South Sudan, Tunisia, and Yemen, and operates with a team of over 130 personnel. GCC countries are covered by an Office in UAE. UNODC works through national and regional approaches promoting cooperation within the region and south-south cooperation.

UNODC's work in the Middle East and North Africa region is guided by the Regional Framework for the Arab States 2023–2028, which serves as the overarching strategic framework for cooperation between UNODC and the League of Arab States (LAS). **UNODC ROMENA supports Member States across six key areas:**

- 1. A Balanced Approach to Drug Control:** UNODC promotes evidence-based drug prevention, treatment, and reintegration, with equal healthcare in closed settings. In 2024, ROMENA reached 100,000+ people across MENA, including prisoners, training 560 professionals (23% women).
- 1. Strengthening the Response to Organized Crime:** UNODC enhances border, maritime, airport, and cyber security. In 2024, ROMENA engaged over 1,100 criminal justice practitioners (15% women) across Algeria, Egypt, Iraq, Jordan, Lebanon, Libya, Morocco, Tunisia, Yemen, and GCC countries.
- 1. Combatting Trafficking in Persons and Smuggling of Migrants:** UNODC supports policy development, legislative assistance, capacity-building in investigation and prosecution, victim protection, and regional cooperation. In 2024, 750+ professionals (21% women) were trained, with interventions in Algeria, Egypt, Iraq, Libya, Morocco, and Tunisia.
- 1. Action against Corruption and Financial Crime:** UNODC strengthens national and international efforts to combat corruption and financial crime, focusing on enhancing legal frameworks, institutional cooperation, and addressing financial flows tied to organized crime and terrorism. In 2024, UNODC trained 1,850 officials (35% women) from Algeria, Egypt, Iraq, Sudan, Lebanon, Libya, Morocco, Jordan, Tunisia, and the UAE.
- 1. Preventing and Countering Terrorism and Violent Extremism:** UNODC supports countries through legal, technical, and capacity-building assistance. In 2024, 500 officials (10% women) across MENA were trained on strengthening counter-terrorism frameworks and addressing the links between organized crime and terrorism.
- 1. Strengthening Crime/Violence Prevention and Criminal Justice:** UNODC supports criminal justice reform and crime prevention, focusing on youth, gender-responsive systems, and prison reform. In 2024, 80,000+ people benefited, with 2,050 professionals (43% women) trained.



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ForenScope has been a pioneer in forensic imaging systems for more than two decades, specializing in advanced imaging solutions for forensic professions.

Founded with a mission to revolutionize the field of forensic imaging, ForenScope develops state-of-the-art mobile, lab and hospital type devices. Designed to empower investigators with it's cutting-edge tools, ForenScope aims to change the traditional methods for evidence collection and analysis.

Our flagship products include portable multispectral imaging devices, allowing for non-invasive detection of hidden evidence such as fingerprints, stains, body fluids, and trace materials under various light spectrums and filters. By combining mobility with precision, ForenScope is technology enables instant on-site analysis, significantly enhancing the efficiency and accuracy of crime scene investigations without the need for traditional lab setups.





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**FGI Cutting-edge High-Throughput
Sequencing Technologies in Forensic
Science**

Fengxing (Peter) Chen
FGI Product Department

Tue 30th Sep - 10:30 am



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Reme-D is proudly committed to strengthening collaboration between the Egyptian biotechnology sector and forensic professionals.

Our cutting-edge **automated extractor** is capable of isolating nucleic acids from virtually any sample, with high yield and purity. It is complemented by a comprehensive range of specialized reagents that ensure **accuracy** and **reliability** in forensic analysis.

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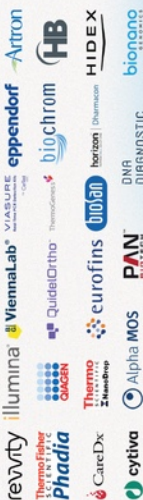
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