


Curriculum Vitae

MOUSTAFA FATHY RAMADAN OMAR

PERSONAL DATA

NATIONALITY	Egyptian	
SEX	Male	
PLACE OF BIRTH	Minia, Egypt	
DATE OF BIRTH	18/1/1982	
MARITAL STATUS	Married	
NATIONAL ID	28201182400093	
TELEPHONE / FAX	(+2) 01221812358 / (+2) 0862369075	
MAILING ADDRESS	Biochemistry Department, Faculty of Pharmacy, Minia University, 61519 Minia, Egypt.	
E-MAIL ADDRESS	moustafa_fathyy@yahoo.com , mostafa_fathe@minia.edu.eg	
ORCID iD	0000-0002-0734-5007	

CURRENT POSITION

➤ PROFESSOR AND CHAIRMAN

Professor and Chairman of Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt

➤ MEMBER OF THE EGYPTIAN LISTS OF ARBITRATORS TO EXAMINE THE SCIENTIFIC PRODUCTION TO FILL THE POSITIONS OF PROFESSORS AND ASSISTANT PROFESSORS IN THE FOURTEENTH SESSION (2022-2025)

Chosen for this position by The Supreme Council of Egyptian Universities (Pharmaceutical Studies Sector - Pharmaceutical and Biochemistry)

➤ REFeree FOR THE JAPANESE GOVERNMENT SCHOLARSHIP (MONBUKAGAKUSHO: MEXT)

Referee for the Japanese Government Scholarship (Monbukagakusho: MEXT "Ministry of Education, Culture, Sports, Science and Technology") for evaluating the research proposals and selection of the Candidates Research Students

➤ COORDINATOR OF THE POSTGRADUATE PROGRAM "JOINT MASTER'S DEGREE IN PHARMACEUTICAL BIOTECHNOLOGY"

A unique Joint Postgraduate Biotechnology Program between TEMPUS (Trans-European Mobility Program for University Studies) and Faculty of Pharmacy, Minia University

➤ COORDINATOR FOR THE STUDENT ACTIVITIES AT FACULTY OF PHARMACY AND MEMBER OF THE HIGHER COMMITTEE FOR STUDENT ACTIVITIES AT MINIA UNIVERSITY

EDUCATION AND TRAINING

➤ DOCTORATE DEGREE IN PHARMACEUTICAL SCIENCES (PHD):

Biochemistry (2010)

*Joint supervision between: Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama (April, 2008 – April, 2010), **Japan** and Faculty of Pharmacy, Minia University, **Egypt**.*

THESIS TITLE: "Cancer Stem Cells; Identification of Cervical Cancer Stem Cells"

➤ MASTER'S DEGREE IN PHARMACEUTICAL SCIENCES (M.Sc.):

Biochemistry (2007)

Faculty of Pharmacy, Minia University, Egypt

THESIS TITLE: "Effect of N-acetyl cysteine and L-carnitine on carbon tetrachloride-treated rats".

➤ BACHELOR OF PHARMACEUTICAL SCIENCES (B.Sc., 2003)

Faculty of Pharmacy, Minia University, Egypt

Overall Grade: Excellent with the Degree of Honor (92.05%)

OCCUPATION

09/2021 – present	Professor and Chairman of Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt
12/2019 – 09/2021	Associate Professor and Chairman of Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt
07/2019 – 12/2019	Post Doc in Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan
06/2016-07/2019	Associate Professor and Chairman of Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt
07/2012 – 06/2016	Assistant Professor of Biochemistry, Pharmacology Department, Faculty of Pharmacy, Jazan University, Jazan, Kingdom of Saudi Arabia
01/2012 – 07/2012	Post Doc in Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan
07/2010 – 01/2012	Lecturer, Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt
04/2008-07/2010	Visiting PhD student in Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan
07/2007-04/2008	Assistant lecturer, Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt
10/2003-07/2007	Demonstrator, Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt

EXPERIENCES

WORK EXPERIENCE

DEPARTMENT REPRESENTATIVE MEMBER IN THE EXECUTIVE TEAM OF THE
MINISTRY OF HIGHER EDUCATION PROGRAM "FACULTY EDUCATION
QUALITY ASSURANCE & ACCREDITATION PROGRAM"

Department of Biochemistry, Faculty of Pharmacy, Minia University, Egypt

RESEARCHER IN:

- *Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan (2008-2010) (Postdoc.; 2012) (Postdoc.; 2019).*
- *Biochemistry Department, Faculty of Pharmacy, Minia University, Egypt*

TEACHING

- *Biochemistry Department, Faculty of Pharmacy, Minia University, Minia, Egypt (2003-till now).*
- *Pharmacology Department, Faculty of Pharmacy, Jazan University, Jazan, Kingdom of Saudi Arabia (2012-2016).*
- *Visiting professor in Deraya University, Minia, Egypt (2017, 2018).*

RESEARCH EXPERIENCE

IN-VITRO EXPERIENCE

*Stem cells and cancer stem cells isolation and characterization
Cell culture, Flow cytometry (FCM), FACS, MACS
Sphere formation and Soft agar colony assay
Migration assay (wound healing assay)
Immunohistochemistry and immunofluorescence assay
Real Time-PCR and Single Nucleotide Polymorphism (SNP) detection
Western Blotting assay
Chemotherapy and radiotherapy resistant assays
Radiation-induced apoptosis*

IN-VIVO EXPERIENCE

*Identification of tumorigenicity of cells by injection into nude mice
Induction of cecal ligation and puncture-induced sepsis, spinal cord injury
and organ-specific ischemia/reperfusion injury in rats
Induction of experimental intrahepatic cholestasis, hepatic fibrosis,
cirrhosis and HCC in rats
Transplantation of stem cells in rats*

TEACHING EXPERIENCE

- Twenty-one years' experience in teaching basic, experimental and clinical biochemistry and molecular biology for the third- and fourth-year students, Faculty of Pharmacy, Minia University, Minia, Egypt (2003-till now).*
- Designed and updated, with other department teaching assistants, the biochemistry and molecular biology courses for Pharmacy students, Minia University, Deraya University, and Jazan University.*
- Teaching basic, experimental and clinical biochemistry and molecular biology for students of Faculty of Pharmacy, Jazan University, Jazan, Kingdom of Saudi Arabia (2012-2016).*

HONORS & AWARDS

Class standing: The first student throughout my undergraduate studies

CEREMONY FOR DISTINGUISHED ACADEMIC ACHIEVEMENT UNDER THE
PATRONAGE OF THE HEAD OF THE SYNDICATE OF PHARMACISTS

CEREMONY FOR DISTINGUISHED ACADEMIC ACHIEVEMENT UNDER THE
PATRONAGE OF THE FACULTY OF PHARMACY DEAN

Awarded a scholarship to Japan for two years from The Egyptian Ministry of Higher Education to do the practical work of PhD thesis (2008-2010) to Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan.

Awarded a Postdoctoral Fellowship to Japan for 6 months from ParOwn (Partner and Ownership Initiative) Association (2012) in Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan.

Awarded a Postdoctoral Fellowship to Japan for 6 months from The Egyptian Ministry of Higher Education (2019) to Regenerative Medicine Department, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan.

Awarded the International Scientific Publication Award for Medical and Pharmaceutical Sciences from Minia University for the academic years: 2019, 2020, 2021, 2022, 2023.

WORKSHOPS

Nov 2004 NOVEL APPROACHES FOR TEACHING WORKSHOP
The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt

Dec 2004 PROFESSIONAL ETHICS
The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt

Jan 2005 EFFECTIVE COMMUNICATION SKILLS
The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt

Dec 2005	PROBLEM SOLVING & DECISION-MAKING WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Jan 2006	COMMUNICATION SKILLS IN DIFFERENT TEACHING APPROACHES <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
May 2006	EVALUATION OF TEACHING <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Jul 2006	EFFECTIVE PRESENTATION SKILLS <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
May 2007	COURSES DESIGN WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
May 2007	EFFECTIVE TEACHING WORKSHOP <i>Faculty Development & Leadership Center, UNDER SUPERVISION OF "MINISTRY OF HIGHER EDUCATION", Minia University, Minia, Egypt</i>
May 2007	RECENT TRENDS IN TEACHING <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
May 2007	TEACHING WITH TECHNOLOGY <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
May 2007	DEVELOPING THINKING & RESEARCH SKILLS <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Dec 2007	QUALITY STANDARDS IN THE TEACHING PROCESS <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Oct 2010	STRATEGIC PLANNING WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Dec 2010	COMPETITIVE RESEARCH PROJECTS WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
April 2011	TEAMWORK SKILLS <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Jul 2012	CONFERENCES ORGANIZATION WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>

Aug 2012	QUALITY STANDARDS IN THE TEACHING PROCESS WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Jul 2015	PERSONAL WEBSITES CREATION WORKSHOP (1) <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Aug 2016	UNIVERSITY ADMINISTRATION WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Aug 2018	STATISTICAL ANALYSIS USING SPSS WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Aug 2018	PRESENTATIONS WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Aug 2018	PERSONAL WEBSITES CREATION WORKSHOP (2) <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Aug 2018	STUDENT EVALUATION WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Sep 2018	LEGAL AND FINANCIAL ASPECTS IN UNIVERSITY ENVIRONMENT WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Dec 2019	COMBATING AND PUBLICIZING CORRUPTION WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>
Jun 2023	THOSE WISHING TO RUN FOR THE POSITION OF DEAN OF A COLLEGE WORKSHOP <i>The Ministry of Higher Education program "Faculty Development & Leadership Center", Minia University, Minia, Egypt</i>

POSTGRADUATE SUPERVISION ACTIVITIES

PHD STUDENTS

- Mr Zenko Noto
Thesis title: "Isolation of stem-like cells from the oral cancer cell line HSC-4".
- Mrs Fang Wang
Thesis title: "Characterization and isolation of ovarian cancer stem cells".
- Mrs Rania Alaaeldin Abdelhamid
Thesis title: "The effect of a newly synthesized ciprofloxacin derivative on colorectal and lung cancer cells".
- Mrs Mariam Mahrous Fawzy
Thesis title: "Study the effect of checkpoint inhibitors and OX40 agonist as a combination immunotherapy in cancer".
- Mrs Marwa Abdel-Moniem Eisa
Thesis title: "A study on the effect of a novel ciprofloxacin derivative on cancer".
- Mrs Sahar Mohammed Saad Eldin
Thesis title: "Study the protective effect of kinetin on normal cells against the anticancer therapy harmful effect".
- Mrs Dalia Hamdy Mohamed
Thesis title: "Study the Effect of a Novel Combretastatin A4 Analogue on Human Cancer Cells".
- Mr Sherif Ali Maher
Thesis title: "Effect of Pantoprazole and Vincamine on Renal Ischemia Reperfusion Injury in Rats".
- Mrs Olivia Nady Beshay
Thesis title: "Investigating the Effect of adipose tissue-derived mesenchymal stem cells and azilsartan Against Cisplatin-Induced Cytotoxicity".
- Mrs Doaa Mohamed Sayed
Thesis title: "Exploring the role of polymorphism in Irisin-encoding gene (FNDC5) in inflammatory bowel disease".
- Mrs Mona Mohamed Anwar
Thesis title: "Exploring the Role of Interferon Lambda3 Gene (IFNL3) in Inflammatory Bowel Disease".
- Mrs Yusra Abdelmonem Eisa Mohamed
Thesis title: "Study the effect of azilsartan and vincamine against intrahepatic cholestasis in rats".
- Mr Omar Yousry Tamam
Thesis title: "Investigation of new trends in cytotherapy for the injury induced disorders".
- Mrs Narden Raafat Wadea
Thesis title: "Investigation of A New Therapeutic agent in Ischemia/Reperfusion Injury in Rats".
- Mrs Rahma Tharwat Ahmed
Thesis title: "Investigating the effect of new therapeutic agents against oxidative stress-related disorders".

- Mr Mahmoud Abdel Nasser Youssef
Thesis title: "Studying the impact of novel candidates against sepsis-induced multiple organ injury".

MASTER STUDENTS

- Mrs Esraa Mohamed Montaser
Thesis title: "Modulation of Inducible Nitric oxide Synthase Pathway by Eugenol and Telmisartan as a therapeutic strategy of Carbon Tetrachloride-induced Hepatic injury in Rats".
- Mrs Reham Mahmoud Abd El-Baky
Thesis title: "The association of Interleukins Single Nucleotide Polymorphism with the Susceptibility of HCV Egyptian Patients to Hepatocellular Carcinoma".
- Mrs Narden Raafat Wadea
Thesis title: "Characterization of Fibrotic- and Oxidative Stress-Related Genes in Liver Diseases".
- Mrs Rahma Tharwat Ahmed
Thesis title: "Study the effect of pregnane glycosides on breast cancer".
- Mrs Sohaila Mohammed Helmy
Thesis title: "Multifunctional Nanoparticles in Biomedical and Biotechnological Applications".
- Mrs Gehad Nasr Abd El Khalek
Thesis title: "Modulatory effect of quercetin on phosphodiesterase inhibitors as a potential therapeutic approach against intrahepatic cholestasis in rats".
- Mrs Samara Samir Ebrahim
Thesis title: "Identification of new modulators for the diseased liver microenvironment".
- Mr Mahmoud Moustafa Hussein
Thesis title: "Effect of viral suppressors as a novel strategy for the treatment of SARS-COV-2".
- Mrs Hadeer El Nokrashy Ebrahim
Thesis title: "An in vitro study to increase the response of cancer cells to anti-human epidermal growth factor receptor-2 monoclonal antibody "trastuzumab".
- Mrs Hend Abdelfattah
Thesis title: "Effect of Ibuprofen Derivative on Carbon Tetrachloride-Intoxicated Rats".
- Mr Walid Ahmed
Thesis title: "Investigating the Variations in the Expression Level of Some Protein Markers in Human Colorectal Carcinoma".
- Mrs Al Shaimaa Moustafa Abdelhamid
Thesis title: "Biochemical studies for the Identification of kinetin protective effect against anticancer drugs".
- Mrs Gehad Mahmoud Mohammed
Thesis title: "Biochemical Identification and screening of Kinetin Effect in Mammalian cells".
- Mrs Yasmeen Mahmoud Abdelgauad
Thesis title: "Biochemical Evaluation of Eugenol Protective effect on carbon tetra chloride Induced Renal injury in rats".

- Mr Ali Mohamed Ali
Thesis title: “Effect of some anti-inflammatory drugs on Prevention and Treatment of experimentally induced Pulmonary Fibrosis in Rats”.
- Mr Mahmoud Abdel Nasser Youssef
Thesis title: “Investigating the effect of gabapentin against cecal ligation and puncture-induced renal and hepatic toxicity in rats”.
- Mrs Alaa Abouelhamd Hassan Mohamed
Thesis title: “Study the protective effect of a Novel compound on hepatic ischemia-reperfusion injury in rats”.
- Mrs Erin Ezzat Halim Ghali
Thesis title: “The Link Between Common Mutations in Human Hepatocellular Carcinoma and The Components of The Immune System”.

CONFERENCES

- March 2009** THE 8TH CONGRESS OF THE JAPANESE SOCIETY FOR REGENERATIVE MEDICINE
(TOKYO, JAPAN) (POSTER)
MOUSTAFA FATHY, CHIKA KOIKE, TOSHIKO YOSHIDA, MOTONORI OKABE, AND TOSHIO NIKAIDO: “IDENTIFICATION OF CERVICAL CANCER STEM CELLS”
- March 2010** THE 9TH CONGRESS OF THE JAPANESE SOCIETY FOR REGENERATIVE MEDICINE
(HIROSHIMA, JAPAN) (POSTER)
MOUSTAFA FATHY, CHIKA KOIKE, TOSHIKO YOSHIDA, MOTONORI OKABE, AND TOSHIO NIKAIDO: “CHARACTERIZATION OF CERVICAL CANCER STEM-LIKE CELLS IN HELA CELLS”
- June 2010** THE INTERNATIONAL SOCIETY FOR STEM CELL RESEARCH CONGRESS,
(SAN FRANCISCO, USA) (POSTER)
CHIKA KOIKE, KAIXUAN ZHO, MOUSTAFA FATHY, MOTONORI OKABE, TOSHIKO YOSHIDA, AND TOSHIO NIKAIDO: “CHARACTERIZATION OF AMNIOTIC STEM CELLS”
- May 2018** THE 24TH ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR CELLULAR THERAPY (ISCT),
(MONTREAL, CANADA) (POSTER)
HEBA M SAAD ELDIEN, HEKMAT O, DOUAA M. SAYED, WAFAA A MUBARAK HEMMAT HARIDI, SHIMAA MANSOUR AND MOUSTAFA FATHY: “ARE HUMAN ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM CELLS DEVELOPING IN AN ABERRANT OR UNWANTED WAY DURING IN VITRO LONG-TERM CULTIVATION?”
- October 2018** THE 1ST CONGRESS FOR TALKING ABOUT THE FUTURE OF ANATOMICAL RESEARCH/THE 78TH CHUBU BRANCH ACADEMIC ASSEMBLY OF THE JAPANESE ANATOMICAL SOCIETY,
(TOYAMA, JAPAN) (INVITED SPEAKER)
MOUSTAFA FATHY: “BENEFITS AND ACQUIRED EXPERIENCES FROM STUDYING IN JAPAN”
- Feb 2021** THE DIGITAL LIVER CANCER SUMMIT 2021,
(GENEVA, SWITZERLAND) (POSTER)
ELDAFASHI N, DARLAY R, MCSTRAW N, MOUSTAFA FATHY, FAWZY M, CORDELL H, WATSON R, MCCAIN M, MAURICIO-MUIR J, SHUKLA R, DUFOUR J, VALENTI L, ANSTEE Q, REEVES H: “PD-1 EXPRESSION, POLYMORPHISMS IN PDCD1 AND HEPATOCELLULAR CARCINOMA (HCC) IN PATIENTS WITH NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD)”

Feb 2021 NEW CHALLENGES IN PHARMACEUTICAL RESEARCH & EDUCATION
IN EGYPT, DERAHA 1ST INTERNATIONAL PHARMACEUTICAL
CONFERENCE
(MINIA, EGYPT) (POSTER)

SHERIF M, FAWZY M, MOUSTAFA FATHY, ELREHANY M: "POSSIBLE
MODULATORY EFFECT OF PANTOPRAZOLE ON RENAL
ISCHEMIA/REPERFUSION INJURY"

Feb 2021 NEW CHALLENGES IN PHARMACEUTICAL RESEARCH & EDUCATION
IN EGYPT, DERAHA 1ST INTERNATIONAL PHARMACEUTICAL
CONFERENCE
(MINIA, EGYPT) (INVITED SPEAKER)

MOUSTAFA FATHY: "THERAPEUTIC POTENTIAL AND CHARACTERISTICS
OF STEM CELLS COULD BE AFFECTED BY IN VITRO PRE-TREATMENT"

PUBLICATIONS

- **“STEMNESS OF HUMAN WHARTON’S JELLY MESENCHYMAL CELLS IS MAINTAINED BY FLOATING CULTIVATION”** (2012),
HIGUCHI O, OKABE M, YOSHIDA T, **FATHY M**, SAITO S, MIYAWAKI T, AND NIKAIDO T.,
CELLULAR REPROGRAMMING, 14(5):448-455.
DOI: 10.1089/CELL.2012.0020.

- **“ESTABLISHMENT AND CHARACTERIZATION OF IMMORTALIZED HUMAN AMNIOTIC EPITHELIAL CELLS”** (2013),
ZHOU K, KOIKE C, YOSHIDA T, OKABE M, **FATHY M**, KYO S, KIYONO T, SAITO S, AND NIKAIDO T.,
CELLULAR REPROGRAMMING, 15(1):55-67.
DOI: 10.1089/CELL.2012.0021.

- **“SELECTIVE ISOLATION OF NANOG-POSITIVE HUMAN AMNIOTIC MESENCHYMAL CELLS AND DIFFERENTIATION INTO CARDIOMYOCYTES”** (2013),
OTAKA S, NAGURA S, KOIKE C, OKABE M, YOSHIDA T, **FATHY M**, YANAGI K, MISAKI T, AND NIKAIDO T.,
CELLULAR REPROGRAMMING, 15(1):80-91.
DOI: 10.1089/CELL.2012.0028.

- **“GLYCOREGULATORY ENZYMES AS EARLY DIAGNOSTIC MARKERS DURING PREMALIGNANT STAGE IN HEPATOCELLULAR CARCINOMA”** (2013),
NM ABDEL-HAMID, **MF RAMADAN**, SW AMGAD,
AMERICAN JOURNAL OF CANCER PREVENTION, 1(2):14-19.
DOI: 10.12691/AJCP-1-2-1.

- **“CD44 AND SSEA-4 POSITIVE CELLS IN AN ORAL CANCER CELL LINE HSC-4 POSSESS CANCER STEM-LIKE CELL CHARACTERISTICS”** (2013),
NOTO Z, YOSHIDA T, OKABE M, KOIKE C, **FATHY M**, TSUNO H, TOMIHARA K, ARAI N, NOGUCHI M, AND NIKAIDO T.,
ORAL ONCOLOGY, 49(8):787-795.
DOI: 10.1016/J.ORALONCOLOGY.2013.04.012.

- **“IN VIVO MODULATION OF INOS PATHWAY IN HEPATOCELLULAR CARCINOMA BY *NIGELLA SATIVA*”** (2013),
FATHY M AND NIKAIDO T.,
ENVIRONMENTAL HEALTH AND PREVENTIVE MEDICINE, 18(5):377-385.
DOI: 10.1007/s12199-013-0336-8.

- **“EFFECT OF EXOGENOUS OCT4 OVEREXPRESSION ON CARDIOMYOCYTE DIFFERENTIATION OF HUMAN AMNIOTIC MESENCHYMAL CELLS”** (2013),
 NAGURA S, OTAKA S, KOIKE C, OKABE M, YOSHIDA T, **FATHY M**, FUKAHARA K, YOSHIMURA N, MISAKI T, AND NIKAIDO T.,
CELLULAR REPROGRAMMING, 15(5):471-480.
 DOI: 10.1089/CELL.2013.0002.

- **“CHARACTERIZATION OF AMNIOTIC STEM CELLS”**, (2014),
 KOIKE C, ZHOU K, TAKEDA Y, **FATHY M**, OKABE M, YOSHIDA T, NAKAMURA Y, KATO Y, AND NIKAIDO T.,
CELLULAR REPROGRAMMING, 16(4):298-305.
 DOI: 10.1089/CELL.2013.0090.

- **“CD24⁺SSEA4⁺ CELLS IN OVARIAN CARCINOMA CELLS DEMONSTRATED THE CHARACTERISTICS AS CANCER STEM CELLS”**, (2017),
 FANG WANG, TOSHIKO YOSHIDA, MOTONORI OKABE, **MOUSTAFA FATHY**, YI SUN, CHIKA KOIKE, SHIGERU SAITO AND TOSHIO NIKAIDO,
JOURNAL OF CANCER SCIENCE & THERAPY, 9(3):343-352.
 DOI: 10.4172/1948-5956.1000440.

- **“HYPERDRY HUMAN AMNIOTIC MEMBRANE (HD-AM) IS SUPPORTING ACICLOVIR INCLUDED DEVICE OF POLY-N-P- VINYL BENZYL- D- LACTONAMIDE (PVLA) SPHERE FOR TREATMENT OF HSV-1 INFECTED RABBIT KERATITIS MODEL”**, (2017),
 MOTONORI OKABE, TOSHIKO YOSHIDA, MICHIKO SUZUKI, MITSUAKI GOTO, MASAHIRO OMORI, MASATO TAGUCHI, AYAKA TODA, TAKUMA SUZUKI, KAZUAKI NAKAGAWA, FUMITAKA HIRAMOTO, TOYOHICO USHIJIMA, HIROKI WAKI, ETSUKO FURUICHI, KENICHI ARAI, KAIXUAN ZHOU, **MOUSTAFA FATHY**, MAKOTO NAKAMURA, YOSHIHIRO NOMURA, TOSHIO KASAMA, KIYOSHI KATOU, SHIGERU SAITO AND TOSHIO NIKAIDO,
JOURNAL OF BIOTECHNOLOGY & BIOMATERIALS, 7(1):251.
 DOI: 10.4172/2155-952X.1000251.

- **“PHOSPHORYLATED AKT PROTEIN AT SER473 ENABLES HELA CELLS TO TOLERATE NUTRIENT-DEPRIVED CONDITIONS”** (2017),
MOUSTAFA FATHY, SURESH AWALE AND TOSHIO NIKAIDO,
ASIAN PACIFIC JOURNAL OF CANCER PREVENTION, 18(12): 3255-3260.
 DOI: 10.22034/APJCP.2017.18.12.3255.

- **“IN VIVO ATTENUATION OF ANGIOGENESIS IN HEPATOCELLULAR CARCINOMA BY NIGELLA SATIVA”** (2018),
MOUSTAFA FATHY AND TOSHIO NIKAIDO,
TURKISH JOURNAL OF MEDICAL SCIENCES, 48(1): 178-186.
 DOI: 10.3906/SAG-1701-86.

- “MODULATION OF INDUCIBLE NITRIC OXIDE SYNTHASE PATHWAY BY EUGENOL AND TELMISARTAN IN CARBON TETRACHLORIDE-INDUCED LIVER INJURY IN RATS” (2019),
MOUSTAFA FATHY, ESRAA M.M.A. KHALIFA AND MICHAEL ATEF FAWZY,
LIFE SCIENCES, 216(1): 207-214.
 DOI: 10.1016/J.LFS.2018.11.031.

- “PERIOSTIN EXPRESSION AND CHARACTERS OF HUMAN ADIPOSE TISSUE-DERIVED MESENCHYMAL STROMAL CELLS WERE ABERRANTLY AFFECTED BY IN VITRO CULTIVATION” (2019),
 HEBA M. SAAD ELDIEN, HEKMAT OSMAN ABDEL-AZIZ, DOUAA SAYED, WAFAA MUBARAK, HEMMAT H. G. HAREEDY, SHIMA G. MANSOR, TOSHIKO YOSHIDA AND
Moustafa Fathy
STEM CELL INVESTIGATION, 6(33)
 DOI: 10.21037/sci.2019.08.09.

- “EUGENOL EXERTS APOPTOTIC EFFECT AND MODULATES THE SENSITIVITY OF HELA CELLS TO CISPLATIN AND RADIATION” (2019),
MOUSTAFA FATHY, MICHAEL ATEF FAWZY, HENNING HINTZSCHE, TOSHIO NIKAIDO, THOMAS DANDEKAR AND EMAN M. OTHMAN
MOLECULES, 24(21):3979.
 DOI: 10.3390/MOLECULES24213979.

- “AT-MSCs ANTIFIBROTIC ACTIVITY IS IMPROVED BY EUGENOL THROUGH MODULATION OF TGF-B/SMAD SIGNALING PATHWAY IN RATS” (2020),
MOUSTAFA FATHY, MOTONORI OKABE, HEBA M. SAAD ELDIEN AND TOSHIKO YOSHIDA
MOLECULES, 25(2):348.
 DOI: 10.3390/MOLECULES25020348.

- “CELL CYCLE ARREST AND APOPTOTIC EFFECT OF 7-(4-(N-SUBSTITUTED CARBAMOYLMETHYL) PIPERAZIN-1-YL) CIPROFLOXACIN-DERIVATIVE ON HCT 116 AND A549 CANCER CELLS” (2020),
 RANIA ALAAELDIN, MAIIADA H. NAZMY, MOHAMED ABDEL-AZIZ, GAMAL EL-DIN A. ABUO-RAHMA AND **MOUSTAFA FATHY**
ANTICANCER RESEARCH, 40(5): 2739-2749.
 DOI: 10.21873/ANTICANRES.14245.

- “TARGETING APOPTOSIS AS A THERAPEUTIC APPROACH IN CANCER” (2020),
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