



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم

# بسم الله الرحمن الرحيم



**MONA MAGHRABY**



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# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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# جامعة عين شمس التوثيق الإلكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغييرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



**MONA MAGHRABY**



# **Characterization of The Decellularized Male Rabbit Kidney as a Three- Dimensional Natural Scaffold for Tissue Engineering.**

## **A Histological Study**



A THESIS FOR PARTIAL FULFILMENT OF MASTER'S DEGREE IN BASIC MEDICAL SCIENCE (HISTOLOGY AND CELL BIOLOGY)

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2020-2021



وَاللَّيْلِ إِذَا يَأْسُرُ الْكَافِرِينَ

المؤمنين

صَدَقَ اللهُ الْعَظِيمُ



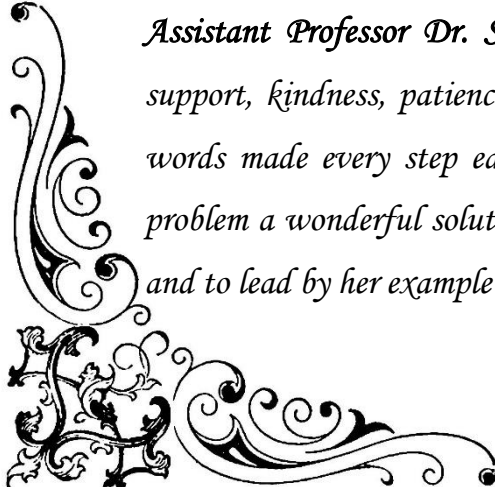


## *Acknowledgement*

Praise be to **Allah**, Lord of the worlds, and prayers and peace be upon the most honorable of all creation, our master **Muhammad**. Peace be upon all the honorable prophets and messengers of **Allah**.

I would like to express my profound gratitude and respect to **Professor Dr. Naglaa Medhat Abou-Rabia** for her kindness, gentle advice, and consistent encouragement. Her continuous supervision and guidance throughout the course of this work were incomparable. Her sincere and meticulous scientific instructions aimed at perfection of this work. It was such a great honor to learn from such a great pioneer of histology.

I am also obliged to express my thanks and gratefulness to **Professor Dr. Gehan Khalaf Megahed** for her kind care, continuous valuable supervision, and constant help. Her kind constructive encouraging words kept me going and her sener reliable guidance overcame every obstacle at every step of this work.



I wish to introduce my deepest respect, appreciation and thanks to **Assistant Professor Dr. Sara Abdel Gawad Elsebay** for her continuous support, kindness, patience, and guidance. Her beautiful smile and gentle words made every step easier. Her experience and knowledge gave every problem a wonderful solution. I had the utmost privilege to learn from her and to lead by her example in both work and life.

*Ayat Abdelnaby*

*I wish to express my appreciation and respect to the team of the Stem Cell Research Lab of our beloved department. They offer help and guidance to every young researcher. Also, I would like to acknowledge the help offered to me by the team of the Medical Research Centre Ain Shams University, the team of the electron microscopy unit, faculty of science, Ain Shams University, the team of the research lab, histology department, El-Azhar University, and the team of the regional center for mycology and biotechnology, El-Azhar University.*

*Ayat Abdelnaby*

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# List of Abbreviations

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<b>3D</b>	Three-dimensional
<b>ANOVA</b>	Analysis of variance
<b>CHAPS</b>	3-[(3-cholamidopropyl) dimethylammonio]-1-propanesulfonate
<b>CKD</b>	Chronic Kidney Disease
<b>CMC</b>	Critical micelle concentration
<b>CO<sub>2</sub></b>	Carbon dioxide
<b>CPD</b>	The critical point drier
<b>DAB</b>	Diaminobenzidine tetrahydrochloride
<b>DAMPs</b>	Damage associated molecular pattern molecules
<b>DAPI</b>	4',6-diamidino-2-phenylindole
<b>DCTs</b>	Distal convoluted tubules
<b>dECM</b>	Decellularized extracellular matrix
<b>ECM</b>	Extracellular matrix
<b>EDTA</b>	Ethylenediaminetetraacetic acid

<b>EGTA</b>	Ethylene glycol-bis tetraacetic acid
<b>ESRD</b>	End stage renal disease
<b>FGF</b>	Fibroblast growth factor
<b>GAGs</b>	Glycosaminoglycans
<b>GBM</b>	Glomerular basement membrane
<b>GFR</b>	Glomerular filtration rate
<b>HCl</b>	Hydrochloric acid
<b>hESCs</b>	Human embryonic stem cells
<b>HHP</b>	High hydrostatic pressure
<b>KDIGO</b>	The Kidney Disease: Improving Global Outcomes
<b>NaOH</b>	Sodium hydroxide
<b>NZWR</b>	New Zealand white rabbits
<b>P</b>	Probability of chance
<b>PAA</b>	Peracetic acid
<b>PAS</b>	Periodic acid Schiff's
<b>PBS</b>	Phosphate buffered saline
<b>PCR</b>	Polymerase chain reaction
<b>PCTs</b>	Proximal convoluted tubules
<b>PDGF</b>	Platelet derived growth factor

<b>PLGA</b>	Poly-lactic-co-glycolic acid
<b>RRT</b>	Renal replacement therapy
<b>SDC</b>	Sodium deoxycholate
<b>SD</b>	Standard deviation
<b>SDS</b>	Sodium dodecyl sulfate
<b>SEM</b>	Scanning electron microscope
<b>TEM</b>	Transmission electron microscope
<b>TGF-<math>\beta</math></b>	Tissue growth factor- $\beta$
<b>VEGF</b>	Vascular endothelial growth factor
<b>VEGF</b>	Vascular endothelial growth factor

## Measurement units

<b>Unit</b>	<b>Title</b>
<b>°C</b>	Celsius
<b>Cm</b>	Centimeter
<b>Gm</b>	Gram
<b>H</b>	Hour
<b>IU/mL</b>	International unit/ milliliter

<b>KDa</b>	Kilodalton
<b>M</b>	Molarity
<b>mg/kg</b>	Milligram per kilogram
<b>mg/mL</b>	Milligram per milliliter
<b>mL/min</b>	Milliliter per minute
<b>mmHg</b>	Millimeter of mercury
<b>MPa</b>	Megapascal
<b>w/v</b>	Weight/ volume
<b>Mm</b>	Micrometer

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