

## Research Fields for Faculty of Pharmacy, Kafrelsheikh University

### Pharmacology and Toxicology Department

Research areas	Goals	Activities	Responsible	Time		Key Performance Indicators	Funding					Approximate cost
				To	From		Research projects	Missions	Special Units	University	Personal fund	
(1) Natural Medicine	Studying different pharmacological activities of medicinal plants focusing on its therapeutic targets	1.1. Thesis M.Sc., PhD, 1.2. Research 1.3. Research Projects	Pharmacology and Toxicology Department (PO)	2015	2019	1. Publications of scientific papers  (2) Granting of Master thesis  (3) Granting of PhD thesis	X	X	X	X	X	75000
(2) Drug design and synthesis	Biological evaluation and pharmacological profiling of the target compounds towards their proposed molecular targets via different biological assays	Thesis M.Sc., PhD, Research Research Projects	Pharmacology and Toxicology Department (PO)	2015	2019	1. Publications of scientific papers  (2) Granting of Master thesis  (3) Granting of PhD thesis	X	X	X	X	X	50000
(3) Drug delivery with a focus on Nanotechnology	Studying the pharmacological activity of new nanoparticles	Thesis MSc, PhD, Research Research Projects	Pharmacology and Toxicology Department (PO)	2015	2019	1. Publications of scientific papers  (2) Granting of Master thesis  (3. Granting of PhD thesis	X	X	X	X	X	50000

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(4) Clinical pharmacy and clinical care management	4.1. Investigation of new trends/regimens in treatment of various diseases.	Thesis MSc, PhD, Research Research Projects	Pharmacology and Toxicology Department (PO)	2015	2019	1. Publications of scientific papers  (2) Granting of Master thesis  (2) Granting of PhD thesis	X	X	X	X	X	50000
(8) Clinical biochemistry	Studying the pathology of different diseases and discovery of more sensitive and specific diagnostic markers for different diseases like HCV,HBV and HCC.	Thesis MSc, PhD, Research Research Projects	Pharmacology and Toxicology Department (PO)	2015	2019	1. Publications of scientific papers  (2) Granting of Master thesis  (2) Granting of PhD thesis	X	X	X	X	X	30000
(11) Genetics	11.1. Studying genetic polymorphism and its impact on drug pharmacokinetics  11.2 Studying genetic polymorphism and its relation to disease incidence	Thesis M.Sc., PhD, Research Research Projects	Pharmacology and Toxicology Department (PO)	2015	2019	1. Publications of scientific papers  (2) Granting of Master thesis  (2) Granting of PhD thesis	X	X	X	X	X	50000

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							Research projects	Missions	Special Units	University	personal fund	
(6) Molecular Biology	<p>6.1. Studying of the molecular mechanisms involved in various infectious diseases.</p> <p>6.2. Study of molecular mechanism of Drugs-receptors interaction and their pharmacological actions.</p> <p>6.3. Studying of the molecular basis of different diseases.</p> <p>6.4. Tissue culture for assessment of different new drugs (chemical or natural origin)</p>	<p>Thesis MSc, PhD,</p> <p>Research</p> <p>Research Projects</p>	<p>Pharmacology and Toxicology Department (PO)</p>	2015	2019	<p>1. Publications of scientific papers</p> <p>(2) Granting of Master thesis</p> <p>(2) Granting of PhD thesis</p>	X	X	X	X	X	100000

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							Research projects	Missions	Special Units	University	Personal fund	
(10) Toxicology	10.1. Toxicological effect of drug abuse. 10.2. Studying the toxicological effects of environmental pollutants and various chemicals. Management of accidental or intentional drug poisoning.	Thesis M.Sc., PhD, Research Research Projects	Pharmacology and Toxicology Department (PO)	2015	2019	1. Publications of scientific papers  (2) Granting of Master thesis  (2) Granting of PhD thesis	X	X	X	X	X	200000

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