

Rehan Ahmed Siddiqui, Ph.D.

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Google Scholar: <https://scholar.google.com.pk/citations?hl=en&user=C1AVF1cAAAAJ>

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Personal Information

Father's Name	:	Moeed Siddiqui
Date of Birth	:	October 12, 1987
Place of Birth	:	Karachi
Domicile	:	Karachi-Sindh
Religion	:	Islam
Nationality	:	Pakistani
Marital Status	:	Married
Languages	:	Urdu, English

Academic Qualifications

Year	Degree	Institution	GPA / Grade
2011-17	M. Phil. / Ph. D. (Molecular Medicine)	PCMD, ICCBS, UoK	3.352 (Ph. D. Degree Awarded in March 9, 2017)
2007-10	BS.MT. (Clinical Pathology)	Dow University of Health Sciences	3.89 First Position – Gold Medalist
2005-06	HSC (Pre-Medical)	Govt. Dehli College	B
2003-04	SSC (Science)	Iqra High School	A+

Impact Factor: **16.330**

Citations (Via ResearchGate): **117**

Working Experience

- Currently working as an **Assistant Professor** at the **Department of Research**, Ziauddin University, Clifton Campus, Karachi. (February 2018 – Present) **(4.2 Years)**
- **Nine (9) months** working experience as a **Research Associate** at HEJ Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, under the supervision of Dr. Shabana Usman Simjee. (April – December 2017).
- **Five (5) years** working experience as a **Research Fellow** under the supervision of **Prof. Dr. Nurul Kabir** (Foreign Faculty) and **Dr. Shabana Usman Simjee** in **Cell Biology Lab** at Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, on a Ph.D. level research project using following techniques: (July 2011 – June 2016)
- **Seven (7) months** working experience as a **Medical Technologist** in Fatimiyah Hospital. (November 2010 – May 2011).
- **Fifteen (15) months** working experience as a **Medical Technologist** in **Bismillah Taquee Hospital**. (June 2008 – September 2009)
(Departments: **Phlebotomy, Hematology, Parasitology & Clinical Chemistry**)

Research Grants

- Awarded Startup Research Grant (SRGP) by HEC on the following project worth **PKR 423,700/-**
“**Exploring novel natural compounds for the prevention of CCl₄-induced hepatic damage *in vivo*.**”

Research Supervision

Co-supervising **Three (03) Ph.D. students** on the following research topic at Ziauddin University:

1. **Dr. Fahad Jibran (Pharmacology):** Molecular mechanisms of eugenol and its liposomal based nano-carrier against anxiety disorder in mice. **(Degree Awarded)**
2. **Nadeem (Pharmacology):** Exploring potential link between neonatal medicinal exposure & long term neurobehavioral outcome: a preclinical study on fluoxetine. **(Degree Awarded)**
3. **Dr. M. Owais Ismail (Pharmacology):** Neuroprotective effects of thymoquinone and its liposomal based nanocarriers in D-Galactose induced model of neurodegeneration *in vitro*. **(Ongoing)**

Co-supervising **Twelve (12) M.Phil. students** on the following research topic at Ziauddin University:

1. **Dr. Nadia Saifullah (Pharmacology):** Protective effects of rutin and its gold conjugated nanoparticles on glycerol-induced acute kidney injury in mice. **(Degree Awarded)**
2. **Dr. Abdul Qadir (Pharmacology):** Protective effects of N-(2-hydroxyphenyl)acetamide and its gold conjugated nanoparticles against cisplatin-induced acute kidney injury in mice. **(Degree Awarded)**
3. **Dr. Fizza Abidi (Oral Pathology):** Immunohistochemical expression of nibrin in epithelial dysplasia and OSCC. **(Degree Awarded)**
4. **Dr. Sana Fatima (Oral Pathology):** Cyclin D1 as a marker of nodal metastasis in oral squamous cell carcinoma. **(Project Completed)**
5. **Dr. Mehwish Feroz Ali (Oral Pathology):** Expression of zinc alpha-2 glycoprotein (ZAG) in oral squamous cell carcinoma. **(Degree Awarded)**
6. **Dr. Gulraiz Karim Rind Baloch (Anatomy):** Histomorphometry of spiral arteries by fluorescence microscopy and immunoexpression of CD81 in normal and preeclamptic patients. **(Degree Awarded)**
7. **Dr. Hafsa Shafqat (Anatomy):** Study and quantification of morphological changes in benign and malignant breast tissue under fluorescence microscope using H&E stained tissue sections. **(Project Completed)**
8. **Dr. Marvi Raza (Pathology):** Immunohistochemical expression of B7/H4 and its association with biological behavior of ovarian tumors. **(Project Completed)**
9. **Mahnoor Khursheed (Physical Therapy):** Effect of therapeutic ultrasound on histological variables and tensile strength of achilles tendon. **(Project Completed)**
10. **Munira Mukadam (Physical Therapy):** Effect of aerobic exercise on histomorphometry of bone. **(Project Completed)**
11. **Dr. Sehrish Ahmed (Pathology):** Expression of novel TIM 3/Gal 9 immune checkpoint in oral squamous cell carcinoma. **(Project Completed)**
12. **Waleed Hussain (Pharmacology):** Nephroprotective effect of function foods: A preclinical study on cisplatin induced toxicity in mice. **(Ongoing)**

Publication of Research Papers

1. Hafizur Rahman, Abdul Hameed, Mishkat Shukrana, Sayed Ali Raza, Sidra Chishti, Nurul Kabir and **Rehan Ahmed Siddiqui**. (2015). Cinnamic acid exerts anti-diabetic activity by improving glucose tolerance in vivo and by stimulating insulin secretion in vitro. *Phytomedicine*, **22**, 297-300. **(IF = 5.340)**
2. **Rehan Ahmed Siddiqui**, Nurul Kabir, M. Ateeq, Shabana U. Simjee and M. Raza Shah. (2016). Characterizing kidney structures in health and diseases by eosin-fluorescence of hematoxylin and eosin-stained tissue sections. *Journal of Histotechnology*, **39(4)**, 107-115. **(IF = 0.714)**
3. **Rehan Ahmed Siddiqui**, Shabana U. Simjee, M. Ateeq, M. Raza Shah and Syed Saad Husain. (2018). N-(2-hydroxyphenyl) acetamide and its gold nanoparticle conjugation prevent glycerol-induced acute kidney injury by attenuating inflammation and oxidative injury in mice. *Molecular and Cellular Biochemistry*. <https://doi.org/10.1007/s11010-018-3371-3>. **(IF = 3.396)**
4. Nadia Saifullah, **Rehan Ahmed Siddiqui** (Corresponding Author), Zahida Memon, Moazzam Ali Shahid, Talat Mirza. (2019). Eugenol ameliorates rhabdomyolysis-induced acute kidney injury in mice. *Pakistan Journal of Medicine and Dentistry*, **8(3)**, 25-29.

5. Abdul Kadir, Sadaf Ibrahim, Syed Nudrat Nawaid Shah, Zara Aslam, **Rehan Ahmed Siddiqui**, Mirza Tasawer Baig, Talat Mirza, Shabana Usman Simjee and Adeel Arsalan, (2020). Attenuation of cisplatin-induced acute kidney injury by N-(2-Hydroxyphenyl) acetamide and its gold conjugated nano-formulations in mice. *Pakistan Journal of Pharmaceutical Sciences*, 33(2), 787-793. **(IF = 0.684)**
6. Abdul Kadir, Sammie Sher, **Rehan Ahmed Siddiqui** (Corresponding Author), and Talat Mirza, (2020). Nephroprotective role of eugenol against cisplatin-induced acute kidney injury in mice. *Pakistan Journal of Pharmaceutical Sciences*. 33(3), 1281-1287. **(IF = 0.684)**
7. Mehwish Feroz Ali, Mervyn Hosein, Saima Butt and **Rehan Ahmed Siddiqui**, (2020). Zinc α -2 glycoprotein (ZAG) a novel biomarker for the detection of oral squamous cell carcinoma. *Pakistan Journal of Medicine and Dentistry*, 9(3), 77-83.
8. Nadia Saifulah, Muhammad Owais Ismail, **Rehan Ahmed Siddiqui** (Corresponding Author), Zahida Memon, Zara Aslam and Muhammad Raza Shah. (2020). Rutin coated gold nanoparticles prevent rhabdomyolysis-induced kidney injury via down-regulation of NF-kB, iNOS, IL-6 and up-regulation of HO-1 and Kim-1 genes in mice. *Pakistan Journal of Pharmaceutical Sciences*. 33(4), 1823-1832 **(IF = 0.684)**
9. Fahad Jibran Siyal, Zahida Memon, **Rehan Ahmed Siddiqui** (Corresponding Author), Zara Aslam, Uzair Nisar, Rehan Imad, Muhammad Raza Shah. (2020). Eugenol and liposome-based nanocarriers loaded with eugenol protect against anxiolytic disorder via down regulation of neurokinin-1 receptors in mice. *Pakistan Journal of Pharmaceutical Sciences*. 33(5), 2275-2284 **(IF = 0.684)**
10. Fahad Jibran Siyal, Zahida Memon, **Rehan Ahmed Siddiqui**, Uzair Nisar, Moti Ram Bhatia. (2020). Pharmacological role of eugenol in management of anxiety disorders. *Journal of Peoples University of Medical and Health Sciences for Women, Nawabshah, SBA*. 10(03).
11. Sana Fatima, Mervyn Hosein, Saima Akram Butt, Faraz Ahmed Baig, **Rehan Ahmed Siddiqui** and Fizza Abidi. (2020). Squamous cell carcinoma of tongue: analysis of clinico pathological features. *Journal of Advances in Medicine and Medical Research*. 32(24), 198-203.
12. Mehwish Feroz Ali, Mervyn Hosein, Saima Butt, **Rehan Ahmed Siddiqui**, and Faraz Baig. (2021). Expression of Zinc Alpha-2 Glycoprotein in Oral Squamous Cell Carcinoma and Oral Dysplasia. *Pakistan Journal of Medicine and Dentistry*. 10(02), 9-15.
13. Fizza Abidi, Mervyn Hosein, Saima Akram Butt, Faraz Baig, **Rehan Ahmed Siddiqui**, and Abeeha Batool Zaidi. (2021). Immunohistochemical Expression of Nibrin in Epithelial Dysplasia and OSCC: A Cross-Sectional Study. *Journal of Advances in Medicine and Medical Research*. 33(6), 42-48.
14. Nadeem, **Rehan Ahmed Siddiqui**, Shumaila Usman, Uzair Nisar and Ghulam Abbas. (2021). Pre-weaning fluoxetine exposure perturbs social behavior at adulthood via altering hippocampal morphometry and PSD-95 expression in rats. *Pakistan Journal of Pharmaceutical Sciences*. 34(2), 795-802. **(IF = 0.684)**
15. Gulraiz Karim Rind Baloch, Bushra Wasim Khan, **Rehan Ahmed Siddiqui**, Kevin Joseph Jerome Borges, Syed Nudrat Nawaid Shah, Inayatullah, Tabinda Urooj. (2021). Quantitative morphometric analysis of uterine spiral artery in normal and preeclamptic placentae via fluorescence microscopy. *Journal of People University of Medical and Health Sciences*. 11(01), 73-79.
16. Anam Shaikh, Fouzia Lateef, Talat Mirza and **Rehan Ahmed Siddiqui**. (2021). Clinicopathological Profile of Glomerular Diseases: A Single Center Study. *Medical Forum*, 32(5); 77-81. **(IF = 0.022)**
17. Sehrish Ahmed, Fouzia Shaikh, Faraz Ahmed Baig, **Rehan Ahmed Siddiqui**, Akhtar Nasir Jamal Baig. (2021). Immunohistochemical expression of galectin-9 in oral squamous cell carcinoma. *Journal of Hunan University (Natural Sciences)*. 48(9); 400-407. **(IF = 0.478)**
18. Hafsa Shafqat, Bushra Wasim, **Rehan Ahmed Siddiqui**, Syed Nudrat Nawaid Shah, Faraz Baig, Nabila Rasheed and Gulraiz Karim Rind Baloch. (2021). Comparative analysis of eosin-based fluorescence microscopy of non-neoplastic breast tissue and fibroadenoma. *Journal of Pharmaceutical Research International*, 33(44A); 112-119.
19. Dabeeran Zehra, Zahida Memon, Shumaila Usman, Almas Jabeen, Kauser Ismail and **Rehan Ahmed Siddiqui**. (2021). Low dose of azithromycin enhances the anticancer efficacy of sorafenib in HepG2 cell line. *Pakistan Journal of Zoology*, 2021; 1-10. **(IF = 0.831)**
20. Fahad Jibran Siyal, **Rehan Ahmed Siddiqui**, Zahida Memon, Zara Aslam, Uzair Nisar, Rehan Imad and Muhammad Raza Shah. (2021). Eugenol and its liposome-based nano carrier reduce anxiety by inhibiting glyoxylase-1 expression in mice. *Brazilian Journal of Biology*, 1-6. **(IF = 1.651)**
21. Marvi Raza, Fouzia Shaikh, Santosh Kumar Sidhwani, Faraz Ahmed Baig, **Rehan Ahmed Siddiqui**. (2021). Immunohistochemical Expression of B7-H4 in Ovarian Tumors. *Journal of Hunan University (Natural Sciences)*, 48(10); 131-138. **(IF = 0.478)**
22. Shabnam Khan, Bushra Wasim Khan, Madeeha Sadiq, Fawad Rizvi, Faraz Ahmed Baig, **Rehan Ahmed Siddiqui**. (2021). Immunohistochemical expression of alpha (A) A crystallin in senile degenerative and non-cataract lenses. *Pakistan Journal of Medical and Health Sciences*, 15(10); 2643-2646.