



Organization: **Lahore College of Pharmaceutical Sciences**  
Designation: **Senior Lecturer**  
Location: **Lahore, Pakistan**  
Tenure: **(Jan-2012 to Feb-2014)**

Organization: **Kolak Snack foods Ltd.**  
Designation: **Laboratory Analyst**  
Location: **London, UK**  
Tenure: **6-months (April-2011 to Oct-2011)**

Organization: **Kasmani Pharmacy, Hayes**  
Designation: **Pharmacy Technician**  
Location: **London**  
Tenure: **1-Year (Nov-2009 to Nov-2010)**

## **Post-Graduate Students Supervisor**

M. Phil Produced (06)  
M. Phil In progress (11)

## **Research Group Patent:**

- Nanoparticle Loaded Biodegradable Film for Diabetic Wound Healing.( Under review)
- Chitosan-based Skin Targeted Nanoparticles Drug Delivery System and Method, PCT No. PCT/MY/2014/000262. Malaysian Patent No. PI 2013004157.

## **Research Publications:**

1. Qurrat-ul-ain Khan, **Muhammad Irfan Siddique\***, Fatima Rasool, Muhammad Naeem, Muhammad Usman & Muhammad Zaman Development and characterization of orodispersible film containing cefixime trihydrate. *Drug Development and Industrial Pharmacy*, **I.F. 2.365**
2. Ahmad Z, Khan MI, **Siddique MI**, Sarwar HS, Shahnaz G, Hussain SZ, Bukhari NI, Hussain I, Sohail MF. Fabrication and Characterization of Thiolated Chitosan Microneedle Patch for Transdermal Delivery of Tacrolimus. *AAPS PharmSciTech*. 2020 Feb;21(2):1-2. **AAPS PharmSci Tech. I.F. 2.401.**
3. Wardah Ashfaq, Khurram Rehman, **Muhammad Irfan Siddique** & Qurrat-Al-Ain Khan. Eicosapentaenoic Acid and Docosahexaenoic Acid from Fish Oil and Their Role in Cancer Research. *Food review international*. **I.F. 4.113.**
4. **Siddique MI**, Saima Tufail, Ze Heng Ker, Tahir Mehmood Khan, Fatima Rasool, Muhammad Farhan Sohail and Nabeel Shahid. Towards fast and cost-effective up-scaling of Nano-encapsulations by Ionic-gelation method using model drug for the treatment of atopic dermatitis. *PJPS I.F. 0.562.*
5. Muhammad Ijaz Riaz, Hafiz Shoaib Sarwar, Mubashir Rehman, Umar Farooq Gohar, Syed Atif Raza, **Muhammad Irfan Siddique**, Gul Shahnaz, Muhammad Farhan Sohail. Study of erythrocytes as a novel drug carrier for the delivery of artemether. *BJPS I.F. 0.814.*
6. **Siddique MI**, Katas H, Amin MC, Ng SF, Zulfakar MH, Buang F, Jamil A, Syed Maaz Nadeem. Potential treatment of atopic dermatitis: tolerability and safety of cream containing nanoparticles loaded with hydrocortisone and hydroxytyrosol in human subjects. *Drug Delivery and Translational Research*, **I.F. 2.664.**
7. **Siddique MI**, Nabeel shahida, Zunera Razzaqa, Haliza Katasb, Muhammad khurram waqasa, Kashif-ur-Rahmana. Fabrication and characterization of Matrix Type Transdermal Patches Loaded with Tizanidine Hydrochloride: Potential Sustained Release Delivery System. *Drug Development and Industrial Pharmacy*, **I.F. 2.365**

8. **Siddique MI**, Haliza Katas, Chai Yi Wen, Zahid Hussain, and Fatin Hanini Mohd Fadhil. Thermoresponsive curcumin/DsiRNA nanoparticle gels for the treatment of diabetic wounds: synthesis and drug release **Therapeutic Delivery**, March 2017 ,Vol. 8, No. 3 , Pages 137-150 (doi: 10.4155/tde-2016-0075).
9. **Siddique MI**, Katas H, Amin MC, Ng SF, Zulfakar MH, Buang F, Jamil A. Preclinical Safety Evaluation of Hydrocortisone-hydroxytyrosol Co-loaded Chitosan Nanoparticles Cream in Albino Wistar Rats. *Proceedings of pharmaceutical sciences research day* 2015. 2015:102.
10. **Siddique MI**, Katas H, Amin IM, Cairul M, Ng SF, Zulfakar MH, Buang F, Jamil A. Minimization of Local and Systemic Adverse Effects of Topical Glucocorticoids by Nanoencapsulation: In Vivo Safety of Hydrocortisone–Hydroxytyrosol Loaded Chitosan Nanoparticles. *Journal of pharmaceutical sciences*. 2015 Dec 1; 104(12):4276-86. **I.F. 2.997**
11. **Siddique MI**, Katas H, Amin MC, Ng SF, Zulfakar MH, Jamil A. In-vivo dermal pharmacokinetics, efficacy, and safety of skin targeting nanoparticles for corticosteroid treatment of atopic dermatitis. *International journal of pharmaceutics*. 2016 Jun 30; 507(1):72-82. **I.F: 4.845.**

## Conferences:

1. **Muhammad Irfan Siddique**, Development and Characterization of Tizanidine Hydrochloride Loaded Transdermal Patch. International Pharmacy Conference & Exhibition IPCE-2020 (Islamia University Bahawalpur, Pakistan)
2. **Muhammad Irfan Siddique**, Preparation and Characterization of Curcumin Loaded Chitosan Nanoparticles in Sodium Alginate Based Gel. **International Pharmacy Conference (Lahore College for Women University-2019).**
3. **Muhammad Irfan Siddique**, Preparation and Characterization of Glucocorticoids Loaded Nanoparticles and its Antibacterial Activity. **International Pharmacy Scientific Symposium, University of Central Punjab-2019).**
4. **Muhammad Irfan Siddique**, Nanotechnology in Dermatology. **“Nanotechnology, The Future of Medicine” Lahore College of Pharmaceutical Sciences-2019).**
5. **Muhammad Irfan Siddique**<sup>\*1,2</sup>, Haliza Katas<sup>2</sup>, Mohd Cairul Iqbal Mohd Amin<sup>2</sup>. Scaling-up the nano-fabrication and stability study of hydrocortisone and hydroxytyrosol co-loaded chitosan nanoparticles. **Advances in Phytochemical Analysis (Trends in Natural Products Research, Liverpool, United Kingdom)-2018.**
6. **Muhammad Irfan Siddique**<sup>\*1,2</sup>, Haliza Katas<sup>2</sup>, Mohd Cairul Iqbal Mohd Amin<sup>2</sup>. Preparation of drug loaded nano-particle on large scale and its characterization for the treatment of atopic dermatitis. **Pharmaceutical and Biochemical Sciences (PBS) 7<sup>th</sup> Pak Pharma. & Healthcare EXPO 2018.**
7. **Muhammad Irfan Siddique**<sup>\*1,2</sup>, Haliza Katas<sup>2</sup>, Mohd Cairul Iqbal Mohd Amin<sup>2</sup>. Preparation of drug loaded nano-particle on large scale and its characterization for the treatment of atopic dermatitis. **Pharma Asia, PPMA 2018.**
8. **Muhammad Irfan Siddique**<sup>\*1,2</sup>, Haliza Katas<sup>2</sup>, Mohd Cairul Iqbal Mohd Amin<sup>2</sup>. Fabrication of chitosan nanoparticles for boosting transdermal delivery of topical glucocorticoids: *in-vivo* permeation and pharmacokinetic assessment. **3<sup>rd</sup> International Health Trigon Summit 2018.**
9. **Muhammad Irfan Siddique**<sup>\*1,2</sup>, Haliza Katas<sup>2</sup>, Mohd Cairul Iqbal Mohd Amin<sup>2</sup>. Safe and non-irritant cream containing hydrocortisone and hydroxytyrosol co-loaded chitosan nanoparticles: Acute dermal toxicity and irritation studies. **National Conference on Recent Advancement in Pharmaceutical Sciences 2018.**
10. **Muhammad Irfan Siddique**<sup>\*1</sup>, Haliza Katas<sup>1</sup>, Mohd Cairul Iqbal Mohd Amin<sup>1</sup>. Clinical Investigation and Biocompatibility of Encapsulated Topical Glucocorticoids. **International conference on recent advances in clinical research-2017. UVAS, Lahore**

11. **Muhammad Irfan Siddique<sup>\*1</sup>**, Haliza Katas<sup>1</sup>, Mohd Cairul Iqbal Mohd Amin<sup>1</sup>, Ali Naim<sup>2</sup>. Development of chitosan nanoparticles of hydrocortisone-hydroxytyrosol for targeted delivery and safety in albino Wistar rats. **International pharmacy conference and exhibition, 2016.**
12. **Muhammad Irfan Siddique<sup>\*1</sup>**, Haliza Katas<sup>1</sup>, Mohd Cairul Iqbal Mohd Amin<sup>1</sup>, Shiow-Fern Ng<sup>1</sup>, Mohd Hanif Zulfakar<sup>1</sup>, Fhataheya Buang<sup>1</sup>, Adawiyah Jamil<sup>2</sup>. In-Vivo Dermal Pharmacokinetics, Efficacy, and Safety of Skin Targeting Nanoparticles for Corticosteroid Treatment of Atopic Dermatitis. **Pharmaceutical science Research day 2016.**
13. **Muhammad Irfan Siddique<sup>1</sup>**, Haliza Katas<sup>1</sup>, Mohd Cairul Iqbal Mohd Amin<sup>1</sup>, Shiow-Fern Ng<sup>1</sup>, Mohd Hanif Zulfakar<sup>1</sup>, Fhataheya Buang<sup>1</sup>, Adawiyah Jamil<sup>2</sup>. Nanoparticles Enhance Targeted Topical Corticosteroids Delivery into the Skin with Improved Safety for the Treatment of Atopic Dermatitis: In-Vivo Safety of Hydrocortisone-Hydroxytyrosol Loaded Chitosan Nanoparticles. **Control release and drug delivery symposium, 2015.**
14. **Muhammad Irfan Siddique<sup>1</sup>**, Haliza Katas<sup>1\*</sup>, Mohd Cairul Iqbal Mohd Amin<sup>1</sup>, Shiow-Fern Ng<sup>1</sup>, Mohd Hanif Zulfakar<sup>1</sup>, Fhataheya Buang<sup>1</sup>, Adawiyah Jamil<sup>2</sup> Preclinical safety evaluation of hydrocortisone-hydroxytyrosol co-loaded chitosan nanoparticles cream in albino Wistar rats. **Pharmaceutical science Research day 2015.**
15. **Muhammad Irfan Siddique<sup>\*</sup>**, Haliza Katas, Mohd Cairul Iqbal Mohd Amin. Acute dermal toxicity and acute dermal irritation of hydrocortison-hydroxytyrosol chitosan nanoparticles in albino wistar rat skin. **Control release and drug delivery symposium, 2014.**

**Research Grant:** Approved SRGP research grant from HEC. Worth 0.5 million

### **Computer Skills:**

**Operating Systems:** Windows 7/ Windows XP  
**Office Tools:** MS Excel, MS Power Point and MS Word.  
Skilled in data compilation and documentation

### **Language Proficiency:**

Proficient in spoken and written English, Malay, Urdu and Punjabi

### **References:**

Will be furnished upon request