



Lasbela University

of Agriculture, Water & Marine Sciences

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Name:	Dr.Abdul Hakeem		
Designation:	Assistant Professor (Chemistry)		
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Cell No.:	+923168734031/0853-610919		
Research Area:	Chemistry		
QUALIFICATION			
DEGREE	PASSING YEAR	MAJORS	UNIVERSITY
Ph.D	2012-2015	Mesoporous Silica Nanoparticle and Their cancer Chemotherapeutic applications	Huazhong University of Science & Technology
MSc.	2006-2008	Chemistry Specialization with Analytical Chemistry	University of Balochistan Quetta
BSc.	2003-2006	Chemistry, Botany and Geography	University of Balochistan Quetta
FSc.	2001-2003	Chemistry, Biology and Physics	Government Degree College Bela, Lasbela
Matriculation	1999-2001	Chemistry, Biology, Physics and Mathematic	Government High School Arif Wala Bela, Lasbela
PUBLICATIONS (NATIONAL/INTERNATIONAL)			
1. Yong, T., Zhang, X., Bie, N., Zhang, H., Zhang, X., Li, F., Hakeem, A. , Hu, J., Gan, L., Santos, H.A. and Yang, X., 2019. Tumor exosome-based nanoparticles are efficient drug carriers for chemotherapy. <i>Nature communications</i> , 10(1), pp.1-16 (IF: 11.88)			

2. **Abdul Hakeem**, Guiting Zhan, Qingbo Xu, Tuying Yong, Xiangliang Yang, and Lu Gan. "Facile synthesis of pH-responsive doxorubicin-loaded layered double hydroxide for efficient cancer therapy." *Journal of Materials Chemistry B* 6, no. 36 (2018): 5768-5774. **(IF: 5.344)**
3. **Abdul Hakeem**, Fouzia Zahid, Guiting Zhan, Ping Yi, Hai Yang, Lu Gan, Xiangliang Yang "Polyaspartic acid anchored mesoporous silica nanoparticles for pH-responsive doxorubicin release". *International Journal of Nanomedicine*. 13 (2018): 1029. **(IF: 4.471)**
4. **Abdul Hakeem**, Ruixue Duan, Fouzia Zahid, Chao Dong, Boya Wang, Fan Hong, Xiaowen Ou, Yongmei Jia, Xiaoding Lou, and Fan Xia. "Dual stimuli-responsive nano-vehicles for controlled drug delivery: mesoporous silica nanoparticles end-capped with natural chitosan." *Chemical communications* 50, no. 87 (2014): 13268-13271. **(IF: 6.050)**
5. **Abdul Hakeem**, Fouzia Zahid, Ruixue Duan, Muhammad Asif, Tianchi Zhang, Zhenyu Zhang, Yong Cheng, Xiaoding Lou, and Fan Xia. "Cellulose conjugated FITC-labelled mesoporous silica nanoparticles: intracellular accumulation and stimuli responsive doxorubicin release." *Nanoscale* 8, no. 9 (2016): 5089-5097. **(IF: 6.895)**
6. Huang, Wenjing, Yan Lang, **Abdul Hakeem**, Yan Lei, Lu Gan, and Xiangliang Yang. "Surfactin-based nanoparticles loaded with doxorubicin to overcome multidrug resistance in cancers." *International journal of nanomedicine* 13 (2018): 1723. **(IF: 4.471)**
7. Duan, Ruixue, Zhenyu Zhang, Fuxin Zheng, Longwang Wang, Ju Guo, Tianchi Zhang, **Abdul Hakeem**, Fan Xia. "Combining protein and miRNA quantification for bladder cancer analysis." *ACS applied materials & interfaces* 9, no. 28 (2017): 23420-23427. **(IF: 8.330)**
8. Lou, Xiaoding, Mengshi Zhang, Zujin Zhao, Xuehong Min, **Abdul Hakeem**, Fujian Huang, Pengcheng Gao, Fan Xia, and Ben Zhong Tang. "A photostable AIE fluorogen for lysosome-targetable imaging of living cells." *Journal of Materials Chemistry B* 4, no. 32 (2016): 5412-5417. **(IF: 5.344)**
9. Jawed, Muhammad, Jian Pi, Li Xu, Houjin Zhang, **Abdul Hakeem**, and Yunjun Yan. "Enhanced H₂ Production and Redirected Metabolic Flux via Overexpression of fhIA and pncB in Klebsiella HQ-3 Strain." *Applied biochemistry and biotechnology* 178, no. 6 (2016): 1113-1128. **(IF: 2.220)**
10. Asif Mohammad, Ayesha Aziz, Anh Quang Dao, **Abdul Hakeem**, Shuang Dong, Guoan Zhang, Fei Xiao, and Hongfang Liu. "Real-time tracking of hydrogen peroxide secreted by live cells using MnO₂ nanoparticles intercalated layered double hydroxide nanohybrids". *Analytica chimica acta* 898(2015): 34-41. **(IF: 5.256)**
11. Zhang, Tianchi, Chunli Shang, Ruixue Duan, **Abdul Hakeem**, Zhenyu Zhang, Xiaoding Lou, and Fan Xia. "Polar organic solvents accelerate the rate of DNA strand replacement reaction." *Analyst* 140, no. 6 (2015): 2023-2028. **(IF: 3.980)**
12. Duan, Ruixue, Boya Wang, Fan Hong, Tianchi Zhang, Yongmei Jia, Jiayu Huang, **Abdul Hakeem**, Nannan Liu, Xiaoding Lou, and Fan Xia. "Real-time monitoring of enzyme-free strand displacement cascades by colorimetric assays." *Nanoscale* 7, no. 13 (2015): 5719-5725. **(IF: 6.895)**
13. Min, Xuehong, Yuan Zhuang, Zhenyu Zhang, Yongmei Jia, **Abdul Hakeem**, Fuxin Zheng, Yong Cheng, Ben Zhong Tang, Xiaoding Lou, and Fan Xia. "Lab in a Tube: Sensitive

Detection of MicroRNAs in Urine Samples from Bladder Cancer Patients Using a Single-Label DNA Probe with AIEgens." *ACS applied materials & interfaces* 7, no. 30 (2015): 16813-16818. **(IF: 8.330)**

14. Jia, Yongmei, Benmei Wei, Ruixue Duan, Ying Zhang, Boya Wang, **Abdul Hakeem**, Nannan Liu et al. "Imparting biomolecules to a metal-organic framework material by controlled DNA tetrahedron encapsulation." *Scientific reports* 4 (2014). **(IF: 3.998)**

TEACHING EXPERIENCE

Designation	From	To	Organization
Assistant Professor	14 th December, 2017	To-date	Lasbela University, Pakistan
Lecturer	April 1 st , 2011	13 th December, 2017	Lasbela University, Pakistan

SHORT BIOGRAPHY:

Dr. Muhammad Aleem Zahid did his PhD (2016) from China University of Petroleum, East China. Formerly, he has done his B.Sc. (2007) and M.Sc. (2009) from University of the Punjab, Pakistan. Currently, as a regular faculty member, he is working as 'Assistant Professor of Geology' (February 2010 to date) in the Department of Marine Geology, Faculty of Marine Sciences, Lasbela University, Pakistan. His research interest is on 'reservoir characterization of clastic rocks'; mainly focuses on sedimentological and petrographic aspects which directly influence reservoir quality. The scope of investigation generally relies on modern petrographic techniques like LSCM, SEM, QemScan, CT, FIB etc.