

PERSONAL INFORMATION

Jawad Nasim



📍 Division of Bioorganic Chemistry, School of Pharmacy, University of saarland, 66123 Saarbruecken (Germany)

✉️ jawad.nasim@uni-saarland.de, jawadnasimpk@yahoo.com

📅 Date of birth 01/03/1987 | 🇵🇰 Nationality Pakistani

WORK EXPERIENCE

24/08/2011–30/06/2013

Research Associate

Department of Pharmaceutical Sciences, COMSATS Institute of Information and Technology, Abbottabad (Pakistan)

EDUCATION AND TRAINING

10/2005–06/2011

Pharm. D

Bahauddin Zakariya University, Multan (Pakistan)

01/07/2013–30/09/2013

Guest Researcher

University of Rostock, Rostock (Germany)

01/10/2013–31/10/2014

Diplom in Pharmacy

University of Saarland, Saarbruecken (Germany)

01/11/2014–Present

Ph. D

University of Saarland, Saarbruecken (Germany)

PERSONAL SKILLS

Mother tongue(s)

Urdu

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

Excellent communication skills gained through my teaching experience as well as being the active participant in various international conferences.

Organisational / managerial skills

Leadership: Currently being the team leader of my department in academic as well as research activities.

Good organisational skills gained through my volunteered secretarial assistanceship to the

department.

Good team leading skills gained as project manager of various projects.

Job-related skills Designing of synthetic schemes (using Chem Draw, Scifinder and Reaxys etc)
Synthesis of various organic compounds (Coumarines, Polysulfanes and Organoselenium compounds etc.)
Purification techniques (recrystallisation and Chromatography etc).
Structural elucidation (NMRs and Mass spectroscopy and IR etc)
Scientific writing

ADDITIONAL INFORMATION

Publications

1. M. Sarfraz, S. Griffin, T. Gabour Sad, R. Alhasan, **M. J. Nasim**, M. Irfan Masood, K. H. Schäfer, C. E. Ejiike, C. M. Keck, C. Jacob, A. P. Ebokaiwe. Milling the Mistletoe: Nanotechnological Conversion of African Mistletoe (*Loranthus micranthus*) Into antimicrobial Materials. *Antioxidants* 7, 60. (2018)
2. S. Griffin, M. Sarfraz, S. F. Hartmann, S. R. Pinnapireddy, **M. J. Nasim**, U. Bakowsky, M. C. M. Keck, C. Jacob, Resuspendable Powders of Lyophilized Chalcogen Particles with Activity against Microorganisms. *Antioxidants*;7(2), 23. (2018)
3. S. Griffin, M. Sarfraz, V. Farida, **M. J. Nasim**, A. P. Ebokaiwe, C. M. Keck, C. Jacob, No time to waste organic waste: Nanosizing converts remains of food processing into refined materials, *J Environ Manage*, 210, 114-121 (2018)
4. S. Griffin, M. I. Masood, **M. J. Nasim**, M. Sarfraz, A. P. Ebokaiwe, K-H. Schäfer, C. M. Keck, C. Jacob, Natural Nanoparticles: A Particular Matter Inspired by Nature. *Antioxidants*.;7(1). (2018)
5. **M. J. Nasim**, W. Ali, E. Dominguez-Álvarez, E. N. da Silva Júnior, R. S. Z. Saleem, C. Jacob. Reactive Selenium Species: Redox Modulation, Antioxidant, Antimicrobial and Anticancer Activities. In book: Organoselenium Compounds in Biology and Medicine: Synthesis, Biological and Therapeutic Treatments. *Royal Society of Chemistry*, 277-302 (2018)
6. K. Witek, **M. J. Nasim**, M. Bischoff, R. Gaupp, P. Arsenyan, J. Vasiljeva, M. A. Marć, A. Olejarz, G. Latacz, K. Kieć-Kononowicz, J. Handzlik, C. Jacob, Selenazolinium Salts as "Small Molecule Catalysts" with High Potency against ESKAPE Bacterial Pathogens. *Molecules*.;22(12) (2017)
7. E. Y. Efe A. Mazumder, J. Lee, A. Gaigneaux F. Radogna, **M. J. Nasim**, Christo Christov, Claus Jacob, K. Kim, M. Dicato, P. Chaimbault, C. Cerella, M. Diederich. Tubulin-binding anticancer polysulfides induce cell death via mitotic arrest and autophagic interference in colorectal cancer. *Cancer Letters*, 410, 139-157 (2017)
8. G.I. Giles, **M.J. Nasim**, W. Ali, C. Jacob, The Reactive Sulfur Species Concept: 15 Years On. *Antioxidants*, 6(2):38, 1-29 (2017)

9. J. Rendeková, D. Vlasáková, P. Arsenyan, J. Vasiljeva, **M. J. Nasim**, K. Witek, E. Domínguez-Álvarez, E. Źesławska, D. Mániková, W. Tejchman, R. S. Z. Saleem, K. Rory, J. Handzlik, M. Chovanec, The Selenium-Nitrogen Bond as Basis for Reactive Selenium Species with Pronounced Antimicrobial Activity, *Curr Org Synth*, 14, (2017)
10. M. Grman, **M. J. Nasim**, R. Leontiev, A. Misak, V. Jakusova, K. Ondrias, C. Jacob, Inorganic Reactive Sulfur-Nitrogen Species: Intricate Release Mechanisms or Cacophony in Yellow, Blue and Red?, *Antioxidants*, 6(1), (2017)
11. E. Castellucci Estevam, S. Griffin, **M.J. Nasim**, P. Denezhkin, R. Schneider, R. Lilischkis, E. Dominguez-Álvarez, K. Witek, G. Latacz, C. Keck, K.H. Schäfer, K. Kieć-Kononowicz, J. Handzlik, C. Jacob, Natural Selenium Particles from *Staphylococcus carnosus*: Hazards or particles with particular promise?, *J. Hazard. Mater.*, 324(Pt A):22-30. (2017)
12. L. Faulstich, S. Griffin, **M.J. Nasim**, M.I. Masood, W. Ali, S. Alhamound, Y. Omran, H. Kim, A. Kharma, K.H. Schaefer, R. Lilischkis, M. Montenarh, C. Keck, C. Jacob, Nature's Hat-trick: Can we use sulfur springs as ecological source for materials with agricultural and medical applications?, *Int. Biodeterior. Biodegradation*, 119, 678-686, (2017)
13. N. K. Tittikpina, W. Atakpama, H. Pereki, M. J. Nasim, W. Ali, S. Fontanay, F. Nana, C. E. C. C. Ejike, G. Kirsch, R. E. Duval, P. Chaimbault, S. D. Karou, K. Batawila, K. Akpagana, C. Jacob 'Capiture' plants with interesting biological activities: a case to go. *Open chem*, 15, 1-11 (2017)
14. S. Griffin, N. K. Tittikpina, A. Al-marby, R. Alkhayer, P. Denezhkin, K. Witek K. A. Gbogbo, K. Batawila, R. E. Duval, **M. J. Nasim**, N. A. Awadh-Ali, G. Kirsch, P. Chaimbault, K-H. Schäfer, C. M. Keck, J. Handzlik, C. Jacob, Turning Waste into Value: Nanosized Natural Plant Materials of *Solanum incanum* L. and *Pterocarpus erinaceus* Poir with Promising Antimicrobial Activities, *Pharmaceutics*, 8(2): 11, (2016)
15. A. Al-Marby, C.E.C.C. Ejike, **M.J. Nasim**, N.A. Awadh-Ali, R.A. Al-badani, G.M.A. Alghamdi, C. Jacob, Nematicidal and antimicrobial activities of methanol extracts of 17 plants, of importance in ethnopharmacology, obtained from the Arabian Peninsula, *J Intercult Ethnopharmacol.*; 5(1): 1-6, (2016)
16. N.K. Tittikpina, C.E.C.C. Ejike, E. Castellucci Estevam, **M.J. Nasim**, S. Griffin, P. Chaimbault, G. Kirsch, W. Atakpama, K. Batawila, C. Jacob, Togo to go: Products and compounds derived from local plants for the treatment of diseases endemic in sub-Saharan Africa, *Afr J Tradit Complement Altern Med*. 13(1):85-94, (2016)
17. E. Castellucci Estevam, S. Griffin, **M.J. Nasim**, D. Zieliński, J. Aszyk, M. Osowicka, N. Dawidowska, R. Idroes, A. Bartoszek, C. Jacob, Inspired by Nature: The Use of Plant-derived Substrate/Enzyme Combinations to Generate Antimicrobial Activity *in situ*, *Natural Product Communications*, 10(10), 1733-1738, (2015)
18. Estevam EC, Witek K, Faulstich L, **Nasim MJ**, Latacz G, Domínguez-Álvarez E, Kieć-Kononowicz K, Demasi M, Handzlik J, Jacob C, (2015). Aspects of a Distinct Cytotoxicity of Selenium Salts and Organic Selenides in Living

Cells with Possible Implications for Drug Design. *Molecules*, 20(8):13894-912. doi: 10.3390/molecules200813894.

19. Allah DR, Schwind L, Asali IA, **Nasim J**, Jacob C, Götz C, Montenarh M, (2015). A scent of therapy: Synthetic polysulfanes with improved physico-chemical properties induce apoptosis in human cancer cells. *Int J Oncol*, 47(3):991-1000. doi: 10.3892/ijo.2015.3093.

20. Grman M, Ondriasova E, **Nasim J**, Jacob C, Ondrias K, (2015). Decomposition of S-nitrosoglutathione by interaction with organic polysulfides and reduced thiols. *Nitric Oxide*, 47:S37

21. E. C. Estevam, M.J.Nasim, L. Faulstich, M. Hakenesch, T. Burkholz, C. Jacob. A Historical Perspective on Oxidative Stress and Intracellular Redox Control. In : *Studies on Experimental Toxicology and Pharmacology, Springer International Publishing* pp 3-20 (2015)

22. Mániková D, Letavayová LM, Vlasáková D, Košík P, Estevam EC, **Nasim MJ**, Gruhlke M, Slusarenko A, Burkholz T, Jacob C, Chovanec M (2014). Intracellular diagnostics: hunting for the mode of action of redox-modulating selenium compounds in selected model systems. *Molecules*, 19(8):12258-79. doi: 10.3390/molecules190812258.

23. Jacob C, Faulstich L, **Nasim MJ**, Burkholz T, (2014). Von der Natur inspiriert: Redox-aktive Nahrungsbestandteile (Metabolite) mit vielseitigen Anwendungen in der Medizin und Landwirtschaft, *Magazin Forschung*, Ausgabe 2/2014 .

24. **Nasim MJ**, Bin Asad MH, Durr-e-Sabih, Ikram RM, Hussain MS, Khan MT, Ahamad G, Karim S, Khan SA, Murtaza G, (2014). Gist of medicinal plants of Pakistan having ethnobotanical evidences to crush renal calculi (kidney stones). *Acta Pol Pharm*, 71(1):3-10.

25. Asad M.H.H.B., Razi M.T. Durr-e-Sabih, Qazi Najamus-Saqib, **Nasim S.J.**, Murtaza G. , Hussain I, Anti-venom potential of Pakistani medicinal plants: inhibition of anticoagulation activity of Naja naja karachiensis toxin *Current Science*, 105 (10), pp. 1419-1424.(2013)

26. **Nasim MJ**, Asad MH, Sajjad A, Khan SA, Mumtaz A, Farzana K, Rashid Z, Murtaza G (2013). Combating of scorpion bite with Pakistani medicinal plants having ethno-botanical evidences as antidote. *Acta Pol Pharm*, 70(3):387-94.

Conferences

NutriOX (2017)

NUT-RED-OX (Cost action CA16112)

University of Strasbourg, Strasbourg, France

(September, 27-28, 2017)

9th Polish German symposium on Pharmaceutical Sciences

Jagiellonian University Medical College, Cracow, Poland

Curriculum vitae

(May 26-27, 2017)

TOX-OER

Hradec Kralove, Czech Republic

(May, 8, 2017)

VIII Conversatory of Medicinal Chemistry

Lublin, Poland

(September 15-17, 2016)

Bio-Selenium people in Europe

Jagiellonian University, Medical College,

Faculty of Pharmacy, Cracow, Poland

(September 01-03, 2016)

4th summer symposium

Graduate School of Natural Product Research

University of Saarland, Germany

(August 5, 2015)

DPHG 2015

(International PhD students / Postdocs meeting)

Biberach, Germany

(March 18- 20, 2015)

NutriOx 2014

University of Lorraine, Metz Technopole, Metz, France

(October 1-3, 2014)

IASOC 2014

Ischia Advanced School of Organic Chemistry Ischia (Naples), Italy

(September 21-25, 2014)

3rd summer symposium

Graduate School of Natural Product Research

University of Saarland, Germany

(July 9, 2014)