



## Shabir Ahmad

**Date of birth:** 17/03/1996 | **Nationality:** Pakistani | **Gender:** Male | **Phone number:** (+55) 51983536296 (Mobile) | **Email address:** [Shabirjan427@gmail.com](mailto:Shabirjan427@gmail.com) |  
**Address:** Rua Luiz Afonso 353, Apartment 2, 90050310, Porto Alegre, Brazil (Home)

### WORK EXPERIENCE

#### STRUCTURAL BIOINFORMATICS GROUP

**RESEARCH ASSISTANT** – 07/10/2020 – 08/08/2022

Supervisor: Hugo Verli

#### LABORATORY OF TICK-BORNE DISEASES AND ONE HEALTH

**GRADUATE RESEARCHER** – 30/08/2018 – 30/08/2019

Supervisor: Abid Ali

#### LABORATORY OF TICK-BORNE DISEASES AND ONE HEALTH

**INTERNSHIP** – 29/02/2020 – 30/06/2020

#### LABORATORY OF TICK-BORNE DISEASES AND ONE HEALTH

**INTERNSHIP** – 30/06/2018 – 31/08/2018

#### PEACE GROUP OF SCHOOL AND COLLEGES

**INSTRUCTOR IN BIOLOGY** – 18/08/2019 – 30/03/2020

#### LABORATORY OF TICK-BORNE DISEASES AND ONE HEALTH

**INTERNSHIP** – 30/06/2017 – 31/08/2017

### EDUCATION AND TRAINING

20/08/2022 – CURRENT Campinas, Brazil

**PH.D PHYSICAL CHEMISTRY (THEORITICAL)** University of Campinas Brasil

**Website** <https://www.unicamp.br> | **Field of study** Chemistry

24/08/2020 – 08/08/2022 Porto Alegre, Brazil

**MASTER IN CELL AND MOLECULAR BIOLOGY** UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL

Supervisor: Hugo Verli

**Website** [Www.ufrgs.br](http://Www.ufrgs.br) | **Field of study** Cellular and Molecular Biology | **Final grade** A | **Level in EQF** EQF level 1 |

**Thesis** Genomic, Transcriptome and Structural wide analysis of Tick (*I. microplus*) and tick-borne pathogen (*Rickettsia prowazekii*) for prediction of stable candidates anti-tick vaccine and drug reprofiling.

25/08/2015 – 24/06/2019 Mardan, Pakistan

**B.S.C. IN ZOOLOGY** ABDUL WALI KHAN UNIVERSITY MARDAN PAKISTAN

Supervisor: Abid Ali

**Website** [Www.awkum.edu.pk](http://Www.awkum.edu.pk) | **Field of study** Zoology | **Final grade** 3.61/4 | **Level in EQF** EQF level 1 |

**Thesis** Prediction of Novel Drug Targets and Vaccine Candidates against Human Lice (Insecta), Acari (Arachnida), and Their Associated Pathogens

## ● LANGUAGE SKILLS

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Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C2
<b>PASHTO</b>	C2	C2	C2	C2	C2
<b>URDU</b>	C2	C2	C2	C2	C2
<b>PORTUGUESE</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● SKILLS

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Microsoft Powerpoint | Zoom | Microsoft Office | Google Docs | LinkedIn | Power Point | Motivated | Team-work oriented | Written and Verbal skills | Internet user | Twitter | Amber Molecular Dynamics | GPU-accelerated molecular dynamics using Amber and Gromacs | CHIMERA | Computational Modeling tools: molecular dynamics, MAESTRO, VMD, PYMOL

## ● PUBLICATIONS

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2022

**[Prediction of Novel Drug Targets and Vaccine Candidates against Human Lice \(Insecta\), Acari \(Arachnida\), and Their Associated Pathogens](#)**

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<https://lume.ufrgs.br/bitstream/handle/10183/233827/001135350.pdf?sequence=1&isAllowed=y>

2020

**[Modeling Novel Putative Drugs and Vaccine Candidates against Tick-Borne Pathogens: A Subtractive Proteomics Approach](#)**

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<https://www.mdpi.com/2306-7381/7/3/129/htm>

2024

**[Subtractive proteomics and reverse-vaccinology approaches for novel drug target identification and chimeric vaccine development against Bartonella henselae Strain Houston-1](#)**

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Rahman, S., Chiou, C.C., Ahmad, S., Islam, Z.U., Tanaka, T., Alouffi, A., Chen, C.C., Almutairi, M.M. and Ali, A., 2024. Bioengineering, 11(5), p.505.

**Journal Name:** Bioengineering | **Volume, Issue and Pages:** 11(5), 505

## ● CONFERENCES AND SEMINARS

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29/11/2022 – 01/12/2022 Federal University of ABC in Santo André, SP

**[Molecular modeling of enzyme active on lignocellulosic substrates](#)**

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Won the first position as a best poster presentation

**Link** <https://cmcc.ufabc.edu.br/noticias/ii-workshop-of-molecular-modeling-in-drug-discovery-and-design>

05/09/2022 – 09/09/2022 Majestic Hotel in Águas de Lindóia, SP

**[Molecular Modeling Of A Drug Target Mura Enzyme In Rickettsia Prowazekii](#)**

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Poster presentation

**Link** <https://www.sbbq.org.br/>

06/10/2021 – 20/10/2021

## **Communication and scientific writing course certificate (ACS Chemistry for life)**

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17/02/2019 – 18/02/2019 Pearl Continental Lahore

## **Certificate of International buffalo congress (IBC 2019)**

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18/04/2019 – 18/04/2019 Department of Biochemistry, AWKUM

## **One day Seminar on “Novel genes identification in neurodevelopmental disorders” 2019**

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### **RECOMMENDATIONS**

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**Hugo Verli** Associate Professor

Associate Professor

Coordinator of Cellular and Molecular Biology- PPGBCM

Center for Biotechnology

Group of Structural Bioinformatics

Federal University of Rio Grande do Sul

Email [hugoverli@gmail.com](mailto:hugoverli@gmail.com) | Phone (+55) 5133086068

**Abid Ali** Associate Professor

Associate Professor

Department of Zoology

Abdul Wali Khan University Mardan

Email [uop\\_ali@yahoo.com](mailto:uop_ali@yahoo.com) | Phone (+92) 3459181648

### **PROJECTS**

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09/08/2021 – 09/06/2022

## **In Silico Identification of Drug Targets and Vaccine Candidates against *Bartonella quintana*: A Subtractive Proteomics Approach**

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One chapter of My Master thesis

09/09/2020 – 09/06/2022

## **Genome, transcriptome and proteome wide analysis of *R. microplus* for in silico based antigens selection as a candidate vaccine against this tick**

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Main chapter of master thesis

31/08/2019 – 29/02/2020

## **Modeling Novel Putative Drugs and Vaccine Candidates against Tick-Borne Pathogens: A Subtractive Proteomics Approach**

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Supervisor: Abid Ali

29/05/2018 – 29/05/2019

## **IDENTIFICATION OF NOVEL DRUG AND VACCINE TARGETS OF ACARINES USING SUBTRACTIVE PROTEOMICS APPROACH**

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Supervisor: Abid Ali

### **HONOURS AND AWARDS**

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22/08/2022

## **FAPESP fellowship for Ph.D studies (Brasil) – UNICAMP Brasil**

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31/07/2020

## **CAPES scholarship (Brazil) for master studies 2020-2022 – Government of Brasil**

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30/06/2017

**Awarded merit-based Prime Minister Laptop scheme 2017 – Government of Pakistan**

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18/03/2018

**Best Organizer Award 2017 – Abdul Wali Khan University Mardan Pakistan**

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23/04/2019

**Best Organizer Award 2019 – Abdul Wali Khan University Mardan Pakistan**

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● **ONLINE COURSES**

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20/03/2020 – 20/05/2020

**Tropical Parasitology: Protozoans, Worms, Vectors and Human Diseases**

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02/05/2019 – 02/07/2019

**Bioinformatic Methods I**

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22/03/2019 – 22/05/2019

**Bioinformatic Methods II**

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06/05/2019 – 06/07/2019

**Introduction to Cancer Biology (University of Johns Hopkins)**

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