

## *Curriculum vitae*

### **Dr. Aamir Rasool**

**Date of Birth:** 08/04/1982

**Address:** Institute of Biochemistry, University of Balochistan, Quetta.

**Email:** [aamir.biochemistry@um.uob.edu.pk](mailto:aamir.biochemistry@um.uob.edu.pk) , [rasool.amir@gmail.com](mailto:rasool.amir@gmail.com)

**ORCID:** 0000-0002-2380-6088



**Researchgate ID:** [https://www.researchgate.net/profile/Aamir\\_Rasool3](https://www.researchgate.net/profile/Aamir_Rasool3)

**Google Scholar Profile ID:** <https://scholar.google.com/citations?hl=en&user=Wg-vzvAAAAAJ>

#### **Biography:**

Assistant Professor Aamir Rasool received his Master's degree from the Department of Biochemistry, University of Karachi (Pakistan) (2005) and his PhD from the **School of Life Sciences, Beijing Institute of Technology (China)** (2016). He began his academic career as a lecturer at the Institute of Biochemistry, University of Balochistan (Pakistan) (2008). He was promoted to Assistant Professor in 2017. He returned to the Institute of Biochemistry, University of Balochistan (Pakistan), after completing postdoctoral research at the School of Chemistry, Beijing Institute of Technology (China) (2020).

He is currently supervising **3 PhD** and **10 M.Phil scholars**.

He has published over **38 SCI** papers/reviews, **6 Non-Sci** papers/reviews, **One Chapter** in a Book, and **2 conference** papers. To date, he has graduated **3 M.phil scholars**.

**Research Interest:** (i) Metabolic Engineering, (ii) Synthetic Biology, (ii) Biochemical Engineering

**Review Editor:** Frontiers in Synthetic Biology Section. He has reviewed 8 manuscripts from 2022-2024.

**Reviewer for MDPI Publisher:** Foods, Genes, Polymers, Materials, and Waters

He has reviewed **70** manuscripts for various **MDPI journals** in Life Sciences.

**Funding Collaboration:** Dr. Aamir Rasool has been actively engaged in pioneering research projects secured by his esteemed Chinese colleagues and funded by the National Natural Science Foundation of China (NSFC). His collaborative contributions have been instrumental in advancing these high-impact initiatives, fostering scientific innovation, and strengthening international research partnerships in the fields of metabolic engineering, microbial biotechnology, and sustainable bioprocessing.

- (1) 国家自然科学基金委员会, 面上项目, 22278325, 生物炭缓释磷肥负载溶磷菌互作体系构建及其磷肥效提升调控机制, 2023-01-01 至 2026-12-31, 54 万元, 在研, 参与

- (2) 国家自然科学基金委员会, 地区科学基金项目, 22268045, 生物炭基保水缓释菌剂的制备及其抗旱促生机理研究, 2023-01-01 至 2026-12-31, 33 万元, 在研, 参与
- (3) 国家自然科学基金委员会, 地区科学基金项目, 32060026, 盐胁迫下根际促生菌与辣椒根系互作及抗盐机制研究, 2021-01-01 至 2024-12-31, 34 万元, 资助期满, 参与
- (4) 国家自然科学基金委员会, 青年科学基金项目 (C 类) [原青年科学基金项目], 22008186, 恶臭假单胞菌的 ACC 脱氢酶模块构建及其解盐促生功能强化, 2021-01-01 至 2023-12-31, 24 万元, 结题, 主持
- (5) 项目编号 32171430 《酿酒酵母强化合成木栓酮及其衍生物的研究》获国家自然科学基金委员会 (NSFC) 资助, 执行期 2022.01-2025.12, 资助金额 58 万元
- (6) 中国国家自然科学基金 (项目编号: 22178226, 51863018).

Besides NSFC funding, Dr. Aamir Rasool contributed to executing the following projects obtained by estimated Chinese collaborators. His role involved optimizing microbial biosynthesis, enzyme engineering, and biotransformation strategies, enhancing these studies' industrial and scientific impact.

- (1) 再造烟叶浓缩液增香菌选育、致香机制及应用技术研究, 2018 年河南中烟重点科技项目, 资助金额 86 万元, 执行时间 2019-2022。
- (2) 烟用提质酶制剂的创制及应用技术研究, 2023 年河南中烟重点科技项目, 资助金额 80 万元, 执行时间 2022-2025。
- (3) 顺-冷杉醇生物转化降龙涎香醚关键技术研究, 2024 年河南中烟重点科技项目, 资助金额 70 万元, 执行时间 2024-2025。
- (4) 口服胰岛素高分子纳米颗粒 (PNPs) 的研发, 甘肃省高校青年博士基金资助 (项目编号: 2021QB-105) 。

### **Current Positions:**

**Assistant Professor:** Institute of Biochemistry, University of Balochistan, Quetta.

**Visiting Professor:** Jamil-ur-Rahman Center for Genome Research, ICCBS, University of Karachi,

**Research Projects Current Working On:** (i) Genetic Customization of *S. cerevisiae* for Production of Naringenin. (ii) Engineering of the *S. cerevisiae* for the Production of Liquiritigenin. (ii) Denovo Production of Liquiritin a Metabolite of Licorice Plant in the *S. cerevisiae*.

**Job Experience:** 17 years of working experience as a faculty member at the Institute of Biochemistry, University of Balochistan, Quetta, Pakistan.

**Post-doctorate (2017/09-2020-07):** Institute for Synthetic Biosystem, Department of Biochemical Engineering, School of Chemistry and Chemical Engineering, Beijing Institute of Technology, Beijing, China.

## Education:

- **Beijing Institute of Technology, Beijing, China- (Postdoc) 2017-2020**
- **Beijing Institute of Technology, Beijing, China-(PhD) 2016**  
Doctor of Philosophy in Chemical Engineering and Technology with Emphasis on Biochemical and Metabolic Engineering. Dissertation entitle “Employment in Engineering Terpenoid Backbone Biosynthesis Pathway in *Saccharomyces cerevisiae* for Squalene Overproduction”.
- **University of Karachi, Karachi, Pakistan- (M.Sc.) 2005**  
Master of Science in Biochemistry. Thesis entitle “Biochemical Characterization of Pancreatic Lipase from *Euromastix*”. Additional Research Project “Engineering of EGFP by Incorporating Non-Canonical Amino Acids in *E. coli*”.
- **University of Karachi, Karachi, Pakistan- (B.Sc.) 2002**  
Bachelor of Science in Biochemistry, Chemistry, and Microbiology.

## Publications:

**Cumulative Impact Factor (IF): 205.3**

\*: equally contributed or corresponding author

1. Yunyun Wang, Wangdi Song, **Aamir Rasool**, Taiyu Wang, Yue Sheng, Shengnan Xue, Yan Zhang, Genlin Zhang. Nanoparticles with Cell-Penetrating Peptides for Oral Delivery: a Case for Oral Delivery of Insulin. **International Journal of Nanomedicine**. (2025). (IF: 6.7) **(Accepted)**
2. Gaolei Xi, Wenyan Qi, **Aamir Rasool**, Yongzheng Zhao, Qingfu Wang, Liuke Zhang, Haoyang Chen, Xinlong Zhang, Shen Huang and Zhifei Cheng. Biotransformation of Tobacco-Derived Z-Abienol into Precursors of ambrox by Newly Identified *Acinetobacter tjernbergiae* LSC-2. **Frontiers in Microbiology**. Volume 16 (2025). (IF: 4) [doi: 10.3389/fmicb.2025.1581788](https://doi.org/10.3389/fmicb.2025.1581788)
3. Shen Huang, Jiaming Cheng, Huibo Hu, **Aamir Rasool**, Robina Manzoor and Duobin Mao. Bioconversion of Alpha-Cembratriene-4,6-diol into High-Value Compound Farnesal Through Employment of a Novel *Stenotrophomonas maltophilia* H3-1 Strain. **Molecules** 2025, 30, 1090. (IF: 4.2). <https://doi.org/10.3390/molecules30051090>
4. Chenshuo Zhang, **Aamir Rasool**, Huilong Qi, Xu Zou, Yimeng Wang, Yahui Wang, Yang Wang, Yan Liu, Yuan Yu. Comprehensive analysis of the first complete mitogenome and plastome of a traditional Chinese medicine *Viola diffusa*. **BMC Genomics**. 2024, 25:1162. (IF: 3.5).
5. Shen Huang, Ke Wang, Menyyue Chen, **Aamir Rasool**, Robina Manzoor, Duobin Mao. Regulatory Effects of Different Growth Habitats on the Microbial Composition and Chemicals Produced in K326 Tobacco. **Pakistan Journal of Botany**. 2024, 57(3). (IF: 1.2). DOI: [http://dx.doi.org/10.30848/PJB2025-3\(3\)](http://dx.doi.org/10.30848/PJB2025-3(3))
6. Jawaria Ali Tariq, KaleemUllah Mandokhail, Naheed Sajjad, Abrar Hussain, Humera Javaid, **Aamir Rasool**, Hummaira Sadaf, Sadia Javaid, and Abdul Rauf Durrani. Effects of Age and Biological Age-Determining Factors on Telomere Length in Type-2 Diabetes Mellitus Patients. **Medicina**. 2024, 60, 698. (IF: 2.4). <https://doi.org/10.3390/medicina60050698>

7. Shen Huang, Li Zhu, Ke Wang, Xinlong Zhang, Duobin Mao\* and **Aamir Rasool**,\*. Unravel the Supremacy of *Klebsiella variicola* over Native Microbial Strains for Aroma-Enhancing Compound Production in Reconstituted Tobacco Concentrate through Metagenomic Analysis. **Metabolites**. **2024**, 14, 158. (IF: 3.4). <https://doi.org/10.3390/metabo14030158>
8. Yuan Yu, Rashad Alkasir, Anum Farrukh, Naveeda Riaz, **Aamir Rasool**, Imdad Kaleem, Sahir Hameed Khattak, Sajid Ali Khan Bangash, Nuam Khan, Sana Wahab, Baber Ali, Alvecan Kaplan, Saeedah MUSAED Almutairi, Reham M Alahmadi, Doaa Darwish. Synergistic antibacterial potential of ZnO-Nps with different antibiotics against Multidrug-resistant *Escherichia coli* and *Pseudomonas aeruginosa*. **Polish Journal of Environmental Studies**. **2024**, 33(1). (IF: 1.4). <https://doi.org/10.15244/pjoes/172081>
9. Shen Huang, Lanxin Zhang, Mingyi Yan, Jinchu Yang, **Aamir Rasool**, Robina Manzoor, Tingting Zhang, Yingjie Feng, Duobin Mao. Growth Characteristics of Aroma-Enhancing Bacteria In Reconstituted Tobacco Extracts Using Isothermal Microcalorimetry. **Pakistan Journal of Botany**. **2024**, 56(4). (IF: 1.2). [https://doi.org/10.30848/pjb2024-4\(27](https://doi.org/10.30848/pjb2024-4(27)
10. Yunyun Wang, Genlin Zhang, **Aamir Rasool**, Robina Manzoor, Hebin Wang. Polymeric Nanoparticles (PNPs) for Oral Delivery of Insulin. **Journal of Nanobiotechnology**. **2024**, 22-1. (IF: 10). <https://doi.org/10.1186/s12951-023-02253-y>
11. Muhammad Ishfaq, Mohamed Ibrahim Halawa, Ashfaq Ahmad, **Aamir Rasool**, Robina Manzoor, Kaleem Ullah, and Yurong Guan. Generation of Chemical Space of Compounds for Prostate Cancer Treatment: Biological Activity Prediction, Clustering, and Visualization of Chemical Space. **ACS Omega**. **2023**, 8, 39408–39419. (IF: 4.1) <https://doi.org/10.1021/acsomega.3c05056>
12. **Aamir Rasool**, Robina Manzoor, Ullah Kaleem, Imdad Kaleem, Shahid Bashir, Anum Farrukh, Sahir Khattak, Asad Haq, Ramsha Afzal. Oxidative Stress and Dopaminergic Metabolism: A Major PD Pathogenic Mechanism and Basis of Potential Antioxidant Therapies. **CNS Neurol Disord Drug Targets**. **2023**, Jun 9. (IF: 2.824) DOI: [10.2174/1871527322666230609141519](https://doi.org/10.2174/1871527322666230609141519)
13. Habib ur Rehman, Kaleem Ullah, **Aamir Rasool**, Robina Manzoor, Yu Yuan, Abdul Malik Tareen, Imdad Kaleem, Naveeda Riaz, Sahir Hameed & Shahid Bashir. Comparative impact of streptozotocin on altering normal glucose homeostasis in diabetic rats compared to normoglycemic rats. **Scientific Reports**. **2023**, 13, 7921 (IF: 4.6) <https://doi.org/10.1038/s41598-023-29445-8>
14. Shen Huang, Menghuan Wang, Duobin Mao, **Aamir Rasool**, Chunxiao Jia, Pengfei Yang, Li Han, and Meiling Yan. Isolation, Identification and Characterization of Growth Parameters of *Pseudomonas putida* HSM-C2 with Coumarin-Degrading Bacteria. **Molecules**. **2022**, 27, 6007 (IF: 4.927)
15. Khansa Jamil, Sahir Hameed Khattak, Anum Farrukh, Sania Begum, Muhammad Naeem Riaz, Aish Muhammad, Tahira Kamal, Touqeer Taj, Imran Khan, Sundus Riaz, Huma Batool, Kaleemullah Mandokhail, Sabahat Majeed, Sajid Ali Khan Bangash, Alia Mushtaq, Shahab Bashir, Imdad Kaleem, Fahed Pervaiz, **Aamir Rasool**, Muhammad Ammar Amanat and Ghulam Muhammad Ali. Biogenic Synthesis of Silver Nanoparticles Using *Catharanthus roseus* and Its Cytotoxicity Effect on Vero Cell Lines. **Molecules**. **2022**, 27, 6191 (IF: 4.927)

16. Arif Khan, Naveeda Riaz, Ijazul Hassan, Umer Farooq, Robina Manzoor, **Aamir Rasool**, Kaleemullah, Nadeem Iqbal, Shazia Erum. Effect of growth regulators on micropropagation of exotic potato (*solanum tuberosum* L.) under *in-vitro* condition. **Agrociencia journal**, **2021**, 55 (IF: 0.391)
17. Muhammad Akram, **Aamir Rasool**, Ting An, Xudong Feng, Chun Li. Metabolic engineering of *Yarrowia lipolytica* for liquiritigenin production. **Chemical Engineering Science**. 230 (2021) 116177 (IF: 4.889)
18. Hadiqa Javaid, Ali Nawaz, Naveeda Riaz, Hamid Mukhtar, Ikram-Ul-Haq, Kanita Ahmed Shah, Hooria Khan, Syeda Michelle Naqvi, Sheeba Shakoor, **Aamir Rasool**, Kaleem Ullah, Robina Manzoor, Imdad Kaleem, and Ghulam Murtaza. Biosynthesis of Polyhydroxyalkanoates (PHAs) by the Valorization of Biomass and Synthetic Waste **Molecules**. **2020**, 25, 5539 (IF: 4.927)
19. Yuan Yu, **Aamir Rasool**, Haoran Liu, Bo Lv, Pengcheng Chang, Hao Song, Ying Wang, Chun Li. Engineering *Saccharomyces cerevisiae* for high yield production of alpha-amyrin via synergistic remodeling of  $\alpha$ -amyrin Synthase and expanding of storage pool. **Metabolic Engineering**. **2020**, 62, 72-83. (IF: 8.829)
20. Akram Muhammad, Xudong Feng, **Aamir Rasool**, Wentao Sun, Chun Li. Production of plant natural products through engineered *Yarrowia lipolytica*. **Biotechnology Advances**. **2020**, 43, 107555. (IF: 17.681)
21. Jalees-ul Hassan, Imdad Kaleem, **Aamir Rasool**, Ke Xu, Bo Lv, Rana Adnan Tahir. Engineered *Saccharomyces cerevisiae* for De Novo Synthesis of Aroma Compound Longifolene. **Chemical Engineering Science**. 226 (2020) 115799. (IF: 4.889)
22. Robina Manzoor, **Aamir Rasool**, Maqbool Ahmed, Ullah Kaleem, Lucienne Nneoma Duru, Hong Ma, Yulin Deng. Synergistic Neuroprotective Effect of Endogenously-Produced Hydroxytyrosol and Synaptic Vesicle Proteins on Pheochromocytoma Cell Line Against Salsolinol. **Molecules**. **2020**, 25, 1715. (IF: 4.927)
23. Robina Manzoor, Maqbool Ahmed, Naveeda Riaz, Bushra Hafeez Kiani, Ullah Kaleem, Yasmeen Rashid, Ali Nawaz, Muhammad Umer Farooq Awan, Hooria Khan, Umera Imtiaz, Yasir Rasheed, Imdad Kaleem\*, **Aamir Rasool\***. Self-Redirection of Metabolic Flux Toward Squalene and Ethanol Pathways by Engineered Yeast. **Metabolites** **2020**, 10, 56 (IF: 4.1)
24. Muhammad Saad Ahmed, Sana Ikram, **Aamir Rasool**, Chun Li. Design and Construction of Short Synthetic Terminators for  $\beta$ -amyrin Production in *S. cerevisiae*. **Biochemical Engineering Journal** .**2019**. 03. 011. (IF: 4.446)
25. Yinghua Xu, Xudong Feng, Jintong Jia, Xinyi Chen, Tian Jiang, **Aamir Rasool**, Bo Lv, Liangti Qu, Chun Li. A Novel  $\beta$ -Glucuronidase from *Talaromyces pinophilus* Li-93 Precisely Hydrolyzes Glycyrrhizin into Glycyrrhetic Acid 3-O-Mono- $\beta$ -d-Glucuronide. **Appl Environ Microbiol**. 84 (2018) e00755-18 (IF: 5.005)
26. Yinghua Xu, Yanli Liu, **Aamir Rasool**, Wenwen E, Chun Li. Sequence Editing Strategy for Improving Performance of  $\beta$ -glucuronidase from *Aspergillus terreus*. **Chemical Engineering Science**. 167 (2017) 145–153 (IF: 4.889)
27. Imdad Kaleem\*, **Aamir Rasool\***, Bo Lv, Naveeda Riaz, Jalees Ul Hassan, Robina Manzoor, Chun Li. Immobilization of purified  $\beta$ -glucuronidase on ZnO nanoparticles for efficient

- biotransformation of glycyrrhizin in ionic liquid/buffer biphasic system. **Chemical Engineering Science**. 162 (2017) 332–340. (IF: 4.889)
28. **Aamir Rasool**, Genlin Zhang, Zhe Li, Chun Li. Engineering of the terpenoid pathway in *Saccharomyces cerevisiae* co-overproduces squalene and the non-terpenoid compound oleic acid. **Chemical Engineering Science**. 152 (2016) 457–467. (IF: 4.889)
  29. **Aamir Rasool**, Muhammad Saad Chun Li. Overproduction of squalene synergistically downregulates ethanol production in *Saccharomyces cerevisiae*. **Chemical Engineering Science**. 152 (2016) 370–380. (IF: 4.889)
  30. Cuiwei Wang, Zhe Li, **Aamir Rasool**, Hongnan Qu, Dazhang Dai, Chun Li. Characterization of promoters in *Escherichia coli* and application for xylitol synthesis. **Chinese Journal of Chemical Engineering**. 2015; 23(1): 234-240. (IF: 3.898)
  31. Yueqin Liu; Genli Zhang; Huan Sun; Xiangying Sun; Nisi Jiang; **Aamir Rasool**; Zhanglin Lin; Chun Li. Enhanced pathway efficiency of *Saccharomyces cerevisiae* introducing by thermo-tolerant devices. **Bioresource Technology**. 170 (2014) 38–44. (IF: 11.889)
  32. Imdad Kaleem, Huang Shen, Bo Lv, Bin Wei, **Aamir Rasool**, Chun Li. Efficient biosynthesis of glycyrrhetic acid 3-O-mono- $\beta$ -D-glucuronide (GAMG) in water-miscible ionic liquid by immobilized whole cells of *Penicillium purpurogenum* Li-3 in alginate gel. **Chemical Engineering Science**. 106 (2014) 136–143. (IF: 4.889)
  33. Shen Huang, Meili Liang, Yinghua Xu, **Aamir Rasool**, Chun Li. Characteristics and vegetable oils degumming of recombinant phospholipase B. **Chemical Engineering Journal**. 237 (2014) 23–28. (IF: 16.744)
  34. Xiaoxia Li, Xiaochen Liu, Shihan Wu, **Aamir Rasool**, Jian-e Zuo, Chun Li, Guiyan Liu, Microbial diversity and community distribution in different functional zones of continuous aerobic–anaerobic coupled process for sludge in situ reduction. **Chemical Engineering Journal**. 257 (2014) 74–81. (IF: 16.744)
  35. Liu Gui-yan, Wang Dong, Dai Da-zhang, **Aamir Rasool**, Li Chun. Promoting effect of licorice extract on induction of  $\beta$ -glucuronidase in *Penicillium purpurogenum* Li-3. **Journal of Beijing Institute of Technology**. (2014), 23(1) 138-142. (IF: 0.8)
  36. Kaleem Ullah, Bingjie Xie, Javed Iqbal, **Aamir Rasool**, Hong Qing, Yulin Deng: Arterial vascular cell line expressing SSAO: A new tool to study the pathophysiology of vascular aminases. **Journal of Neural Transmission**. 120(6) (2013):1005-13. (IF: 3.850)
  37. Shaohua Qin, Zhansheng Wu, **Aamir Rasool**, Chun Li: Synthesis and Characterization of Slow-Release Nitrogen Fertilizer with Water Absorbency: Based on Poly(acrylic acid-acrylic amide)/Na-Bentonite. **Journal of Applied Polymer Science**. 126 (2012), 1687-1697. (IF: 2.815)
  38. Lina Guo, Zhansheng Wu, **Aamir Rasool**, Chun Li: Effects of free and encapsulated co-culture bacteria on cotton growth and soil bacterial communities. **European Journal of Soil Biology**. 53 (2012) 16-22. (IF: 3.232)

### **Non-SCI Publications:**

1. Gohar Shah, **Aamir Rasool\***, Abdul Manan, Sana Ullah, Nisar Ahmed, Nazima Yousaf Khan, Marina Panezai. Detection of Antibacterial and Antifungal Activity of Ephedra Procera in District Harnai, Balochistan, Pakistan. **The Research of Medical Science Review**. Volume 3, Issue 6, 2025. DOI: <https://doi.org/10.5281/zenodo.15687642>
2. Madiha Saleem, Mehr Un Nisa, Mehmood Khan, Fouzia Karam Khan, Kaleem Imdad, Bilqees Fatima, **Aamir Rasool**. Isolation and Structural Characterization of Novel



Terpenoids from Different Plant Species: A Review. **Indo American Journal of Pharmaceutical Sciences**. **2019**, 06 (02), 1-7

3. Mehmood Khan, Fozia Karam Khan, Sadaf Moneeba, Mehru Nisa, Robina Manzoor, Kaleem Imdad, Kaleem Ullah, Zahid Mehmood, Ashif Sajjad, Muhammad Ayub, Noor Hassan and **Aamir Rasool**. Biosynthesis of C<sub>10</sub>H<sub>16</sub> (Limonene) By Mevalonate Pathways and Its Pharmacological Applications. **INT. J. BIOL. BIOTECH.**, 16 (1): 9-21, **2019**.
4. Mehr un Nisa, Madiha Saleem, Mehmood Khan, Fouzia Karam Khan, Robina Manzoor, Kaleem Imdad, Bilqees Fatima, and **Aamir Rasool**. Evaluation of Biosynthetic Pathways and Metabolic Engineering of Microbes for Terpenoid Production- Review Article. **Indo American Journal of Pharmaceutical Sciences**. **2018**, 05 (11), 11220-11228.
5. Fozia Karam Khan, Mehmood Khan, Mehr-un-Nisa, Madiha Saleem, Sheikh Ahmed, Robina Manzoor, Kaleem Imdad, Kaleem Ullah, Zahid Mehmood, Ashif Sajjad, Muhammad Ayub, Noor Hassan and **Aamir Rasool**. Protein Engineering of Terpenes Synthase: An Overview. **Int. J. Biol. Res.**, 6(2): 85-93, **2018**.
6. Sajid Nabi, Kaleem Ullah, Yasser M.S.A. Al-Kahraman, Bibi Tahira, Bibi Hajira, **Amir Rasool**, Amir Muhammad. A Review On Juniperus Excelsa: Description, Distribution and Ecology, Ethnobotany and Biological Activities. **Indo American Journal of Pharmaceutical Sciences**, **2017**, Vol.4 (3) PP: 636-644.
7. Sajid Nabi, Bibi Tahira , Hajra Hussain , Sundus Khuwaja , Amir Mohammad , **Aamir Rasool** and Kaleem Ullah. Antibacterial, Antifungal screening and Phytochemical Estimation of *Scorzonera ammophila*. **Lasbela, U. J.Sci. Techl.** **2016**, vol. V, pp. 41-48.

#### **Chapter Published in Book:**

1. Lina Guo, **Aamir Rasool**, and Chun Li. Antifungal Substances of Bacterial Origin and Plant Disease Management (Chapter 18). **Bacteria in Agrobiolgy: Disease Management 2013**, pp 473-485

#### **Conference Papers:**

1. **Aamir Rasool**, Zhe Li, Imdad Kaleem, Genlin Zhang, Chun Li: Cloning and Functional Characterization of DNA Helicases promoters from *S. cerevisiae*. **10<sup>th</sup> IBCAST-2013, page 48-52.**
2. Kaleem Ullah, **Aamir Rasool**, Xie Bingjie, Yulin Deng, Robina Manzoor: Differential expression of Semicrabazide-sensitive amineoxidase (SSAO) in human umbilical arterial tissue, *E. coli* BL21, HEK and HUAEC. **IEEE International Conference on Complex Medical Engineering 2013 Beijing, China.**

#### **Workshops/Conferences/Webinars:**

1. **Teledyne**. Top 5 Haves to Maximize Results in Flash Chromatography. **Feb 26, 2025.**
2. **Jess Burn**, Principal Analyst, Forrester & Sam Rubin, VP and Global Head of Operations, Unit 42, Palo Alto Networks. The State of Cybersecurity Incident Response. February 03, **2025**
3. **LaTrease E. Garrison**. Exploring New Opportunities in Organofluorine Chemistry. **2024-10-17**
4. **Zhang Peng**. Designing the right digital strategy for oncology. What do you want to measure? **2024-08-21**

5. **Eeishta Grover.** Putting-a-scalable-information-architecture-in-place. **2024-08-13**
6. **LaTrease E. Garrison.** Robust and Reliable Palladium Precatalysts for Asymmetric Allylic Alkylation Insight into Catalyst. **2024-06-07**
7. **Zsufia Buttel.** Unlocking-grant-success-funding-institutional. **2024-03-14**
8. **Karen Steward.** Discover New Ways to Increase Your Throughput for Metabolic Stability Assays. July 18, **2023.**
9. **Michael Tarot.** Inside the Tech Note: The Story behind the Data. June 21, **2023.**
10. **Wim Meester.** Using the most relevant metrics to help you choose the right journal. Friday 21 July, **2023.**
11. **Wesley B. Swords and Jessica Tom.** Rejected Manuscript: Next step and finding the right fit. Friday 28 July, **2023.**
12. **Jerad Murphy.** SASE and zero trust architecture: Complementing or competing? 2 August, **2023**
13. **Zsófia Büttel.** Unlocking Grant Success with Funding Institutional (43 minutes). Thursday 14<sup>th</sup> March **2023.**
14. **Prof. Dr. Ashif Sajjad.** One Day Orientation Workshop on “Internet-Based Similarity Detection Service Turnitin and HEC’S New Anti-Plagiarism Policy 2.0-2023. December 7, **2023.**
15. **Vishal Gupta, Dr. W Mahmood, Dr. N Hasan, Dr. M Jahangir, and Dr. S Narula (Elsevier).** Two days’ workshop on “Promoting Research Excellence in Academics Across Pakistan”. 1st and 2nd February **2022**
16. **Sharif Hasani.** Literature Search and “END NOTE” important software uses in thesis preparation. 21 to 22 June **2022**
17. **Asif Mehmood.** Protein Biomarkers Models for Oncology Risk Assessment and Treatment Monitoring. 7 April December **2022**
18. **Prfo. Meili Liang, Yinghua Xu.** Comprehensive Analysis of Next Generation Biologics. 6 April, **2022**
19. **Yu Yuan.** Advances in Food and Beverages Analysis. 20-21 July **2022**
20. Understanding PROTACs-Mediated Targeted Protein Degradation. 8 December **2021.**
21. Next Generation Sequencing (NGS) Data Analysis. 8 & 9, December, **2021**
22. Mitochondrial Dysfunction as a Universal Driver for Increased Health Risks. 10 December **2021**
23. Enhancing Competitiveness of Nation Through Co-creation Strategy: World Competitiveness Yearbook (WCY) Factor III: Business Efficiency (3.2.20) and Retaining Talent (Soft Data). 01 December, **2021**