

Documents

- 1) Devarakonda, Y., Reddy, M.V.N.J., Neethu, R.S., Chandran, A., Syal, K.

Multi epitope vaccine candidate design against *Streptococcus pneumonia*
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (22), pp. 12654-12667.

- 2) Jade, D., Gupta, S., Mohan, S., Ponnambalam, S., Harrison, M., Bhatnagar, R.

Homology modelling and molecular simulation approach to prediction of B-cell and T-peptide vaccine against *Brucella abortus*
(2023) *Molecular Simulation*, 49 (5), pp. 441-452.

- 3) Srivastava, K., Srivastava, V.

Prediction of Conformational and Linear B-Cell Epitopes on Envelop Protein of Zika Virus: An Immunoinformatics Approach
(2023) *International Journal of Peptide Research and Therapeutics*, 29 (1), art. no. 17, .

- 4) Mishra, S., Rout, M., Panda, S., Singh, S.K., Sinha, R., Dehury, B., Pati, S.

An immunoinformatic approach towards development of a potent and effective multi-epitope vaccine against monkeypox virus (MPXV)
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (21), pp. 11714-11727.

- 5) Zhu, F., Ma, S., Wen, H., Rao, M., Zhang, P., Peng, W., Cui, Y., Yang, H., Tan, C., Chen, J., P

Development of a novel circular mRNA vaccine of six protein combinations against *Streptococcus pneumoniae*
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (20), pp. 10525-10545.

- 6) Nguyen, T.L., Samuel Leon Magdaleno, J., Rajjak Shaikh, A., Choowongkamon, K., Li, V., Le

Designing a multi-epitope candidate vaccine by employing immunoinformatics approach to predict the spread of dengue fever
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (19), pp. 10214-10229.

- 7) Ullah, A., Ullah Khan, S., Haq, M.U., Ahmad, S., Irfan, M., Asif, M., Muhseen, Z.T., Alkeraidee Alrumaihi, F., Almatroudi, A.

Computational study to investigate *Proteus mirabilis* proteomes for multi-epitope vaccine development
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (19), pp. 10190-10201.

- 8) Zaib, S., Rana, N., Areeba, Hussain, N., Alrbyawi, H., Dera, A.A., Khan, I., Khalid, M., Khan, I.

Designing multi-epitope monkeypox virus-specific vaccine using immunoinformatics approach
(2023) *Journal of Infection and Public Health*, 16 (1), pp. 107-116.

- 9) Vij, S., Thakur, R., Kumari, L., Suri, C.R., Rishi, P.

Potential of a novel flagellin epitope as a broad-spectrum vaccine candidate against enteric fever
(2023) *Microbial Pathogenesis*, 174, art. no. 105936, .

- 10) Hedayat, S., Habibi, M., Hosseini Doust, R., Asadi Karam, M.R.

Design of a chimeric protein composed of FimH, FyuA and CNF-1 virulence factors from *Escherichia coli* and evaluation its biological activity and immunogenicity in vitro and in vivo
(2023) *Microbial Pathogenesis*, 174, art. no. 105920, .

- 11) Sarkar, I., Sen, G., Ajmal Ali, M., Musaed Almutairi, S., Lee, J., Sen, A.

Detection of the peptidyl epitope for vaccine development against MPV
(2023) *Journal of King Saud University - Science*, 35 (1), art. no. 102458, .

- 12) Hozoorbakhsh, F., Ghiasian, M., Ghandehari, F., Emami-Karvani, Z., Khademi Dehkordi, M.

An immunoinformatic approach employing molecular docking and molecular dynamics simulation to study the interaction of L-asparaginase produced by *Bacillus velezensis* with the active site of the target protein
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (18), pp. 9057-9071.

- 13) Hafeez, S., Achur, R., Kiran, S.K., Thippeswamy, N.B.

Computational prediction of B and T-cell epitopes of Kyasanur Forest Disease virus and development of precise diagnosis and potent subunit vaccine
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (18), pp. 9157-9176.

14) Hayat, C., Shahab, M., Khan, S.A., Liang, C., Duan, X., Khan, H., Zheng, G., Ul-Haq, Z.

Design of a novel multiple epitope-based vaccine: an immunoinformatics approach to
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (19), pp. 9344-9355.

15) Kizhakedathil, M.P.J., Saravanakumar, T., Anbarasu, S., Kallesh, S., Thiruvalluvan, V.

Designing of Chimeric Vaccine against Canine Distemper Virus Targeting Hemagglutinin
(2023) *Biointerface Research in Applied Chemistry*, 13 (4), art. no. 347, .

16) Mohammadzadeh Hosseini Moghri, S.A.H., Ranjbar, M., Hassannia, H., Khakdan, F.

In silico analysis of the conserved surface-exposed epitopes to design novel multi-epitope variants of the SARS-CoV-2
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (16), pp. 7603-7615.

17) Ullah, A., Shahid, F.A., Haq, M.U., Tahir ul Qamar, M., Irfan, M., Shaker, B., Ahmad, S., Alruai Almatroudi, A.

An integrative reverse vaccinology, immunoinformatic, docking and simulation approach to design multi-epitopes based vaccine against monkeypox virus
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (16), pp. 7821-7834.

18) Zhang, C., Li, M., Yu, T.

Bioinformatics analysis of Muscovy duck parvovirus REP and VP1 proteins
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (15), pp. 7174-7189.

19) Sabzi, S., Shahbazi, S., Noori Goodarzi, N., Haririzadeh Jouriani, F., Habibi, M., Bolourchi, F.

Genome-Wide Subtraction Analysis and Reverse Vaccinology to Detect Novel Drug Targets for Ehrlichia chaffeensis
(2023) *Applied Biochemistry and Biotechnology*, 195 (1), pp. 107-124.

20) Oladipo, E.K., Jimah, E.M., Irewolede, B.A., Folakanmi, E.O., Olubodun, O.A., Adediran, D., F.D., Olufemi, S.E., Ojo, T.O., Akinro, O.P., Hezekiah, O.S., Olayinka, A.T., Abiala, G.A., Idowu, Ikuomola, M.O., Adegoke, H.M., Idowu, U.A., Akindiya, O.E., Oluwasanya, G.J., Akanbi, G.I., R.O., Awobiyi, H.O., Kolapo, K.T., Oluwasegun, J.A., Olatunde, S.K., Adelusi, T.I.

Immunoinformatics design of multi-epitope peptide for the diagnosis of Schistosoma
(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (14), pp. 6676-6683.

21) Shanthappa, P.M., Suravajhala, R., Suravajhala, P., Kumar, G., Melethadathil, N.

In silico based multi-epitope vaccine design against norovirus

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (12), pp. 5696-5706.

22) Manickavasagam, P., Abhishek, S., Rajakumara, E.

Designing ferritin nanocage based vaccine candidates for SARS-CoV-2 by in silico epitope peptides

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (13), pp. 6121-6133.

23) Pandya, N., Kumar, A.

A multi-epitope vaccine candidate developed from unique immunogenic epitopes against COVID-19 by utilizing an immunoinformatics-driven approach

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (10), pp. 4614-4631.

24) Ezzemani, W., Kettani, A., Sappati, S., Kondaka, K., El Ossmani, H., Tsukiyama-Kohara, K., Kohara, M., Benjelloun, S., Ezzikouri, S.

Reverse vaccinology-based prediction of a multi-epitope SARS-CoV-2 vaccine and its variants

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (11), pp. 4917-4938.

25) Lim, C.P., Kok, B.H., Lim, H.T., Chuah, C., Abdul Rahman, B., Abdul Majeed, A.B., Wykes, M.

Recent trends in next generation immunoinformatics harnessed for universal coronavirus vaccine design

(2023) *Pathogens and Global Health*, 117 (2), pp. 134-151.

26) Kumar, A., Sharma, P., Arun, A., Meena, L.S.

Development of peptide vaccine candidate using highly antigenic PE-PGRS family protein of Mycobacterium tuberculosis H37Rv: an immunoinformatics approach

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (8), pp. 3382-3404.

27) da Silva, M.K., Azevedo, A.A.C., Campos, D.M.D.O., de Souto, J.T., Fulco, U.L., Oliveira, J.I.

Computational vaccinology guided design of multi-epitope subunit vaccine against SARS-CoV-2 in Latin America

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (8), pp. 3321-3338.

28) Pandya, N., Kumar, A.

Immunoinformatics analysis for design of multi-epitope subunit vaccine by using hea *Schistosoma mansoni*

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (5), pp. 1859-1878.

29) Khan, N.T., Zinnia, M.A., Islam, A.B.M.M.K.

Modeling mRNA-based vaccine YFV.E1988 against yellow fever virus E-protein using reverse vaccinology approach

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (5), pp. 1617-1638.

30) Mohammadzadeh Hosseini Moghri, S.A.H., Mahmoodi Chalbatani, G., Ranjbar, M., Raposo

CD171 Multi-epitope peptide design based on immuno-informatics approach as a can glioblastoma

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (3), pp. 1028-1040.

31) Moin, A.T., Singh, G., Ahmed, N., Saiara, S.A., Timofeev, V.I., Ahsan Faruqui, N., Sharika At S.S., Andalib, K.M.S., Araf, Y., Ullah, M.A., Sarkar, B., Islam, N.N., Zohora, U.S.

Computational designing of a novel subunit vaccine for human cytomegalovirus by e immunoinformatics framework

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (3), pp. 833-855.

32) Sharma, S., Solanki, V., Tiwari, V.

Reverse vaccinology approach to design a vaccine targeting membrane lipoproteins

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (3), pp. 954-969.

33) Ibrahim, J.M., Shanitha, A., Nair, A.S., Oommen, O.V., Sudhakaran, P.R.

In silico screening and epitope mapping of leptospiral outer membrane protein—Lsa4

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (1), pp. 26-44.

34) Bhardwaj, A., Sharma, R., Grover, A.

Immuno-informatics guided designing of a multi-epitope vaccine against Dengue and

(2023) *Journal of Biomolecular Structure and Dynamics*, 41 (1), pp. 1-15.

35) Pang, M., Tu, T., Wang, Y., Zhang, P., Ren, M., Yao, X., Luo, Y., Yang, Z.

Design of a multi-epitope vaccine against Haemophilus parasuis based on pan-genom approaches

(2022) *Frontiers in Veterinary Science*, 9, art. no. 1053198, .

36) Seow, Y.W., Tan, Z.Y., Chieng, S.

Analisis in silico Peptida Berasaskan Epitop Daripada Protein-Protein Immunogen Burk

(2022) *Malaysian Applied Biology*, 51 (5), pp. 237-247.

37) Godara, P., Naik, B., Meghwal, R., Ojha, R., Srivastava, V., Prajapati, V.K., Prusty, D.

Rational designing of peptide-ligand conjugates-based immunotherapy for the treatm

(2022) *Life Sciences*, 311, art. no. 121121, .

38) Sarma, K., Bali, N.K., Sarmah, N., Borkakoty, B.

In Silico Screening of Prospective MHC Class I and II Restricted T-Cell Based Epitope SARS-CoV-2 for Designing of a Peptide Vaccine for COVID-19

(2022) *COVID*, 2 (12), pp. 1731-1747.

39) Kumar, S., Kumari, K., Azad, G.K.

Immunoinformatics Study of SARS-CoV-2 Nucleocapsid Phosphoprotein Identifies Pr Mutational Implications

(2022) *Moscow University Biological Sciences Bulletin*, 77 (4), pp. 251-257.

40) Bae, E.H., Shin, M.

In silico Design of Multi-epitope Vaccines Targeting Iron-regulated lipoproteins of Sta Immunoinformatics

(2022) *Journal of Bacteriology and Virology*, 52 (4), pp. 170-183.

41) Salod, Z., Mahomed, O.

Protocol for a scoping review of potential vaccine candidates predicted by VaxiJen fo between 2017–2021

(2022) *Systematic Reviews*, 11 (1), art. no. 284, .

42) Sajo, M.U., Sa'idu, L., Souley, M.M., Fagbohun, O.A.

Molecular characterization of Newcastle disease virus vaccines in Nigeria
(2022) *Veterinary World*, 15 (12), pp. 2816-2821.

43) Tripathi, A.K., Vishwanatha, J.K.

Role of Anti-Cancer Peptides as Immunomodulatory Agents: Potential and Design Str
(2022) *Pharmaceutics*, 14 (12), art. no. 2686, .

44) Prawiningrum, A.F., Paramita, R.I., Panigoro, S.S.

Immunoinformatics Approach for Epitope-Based Vaccine Design: Key Steps for Brea
(2022) *Diagnostics*, 12 (12), art. no. 2981, .

45) Aziz, M.H., Shabbir, M.Z., Ali, M.M., Asif, Z., Ijaz, M.U.

Immunoinformatics Approach for Epitope Mapping of Immunogenic Regions (N, F and Morbillivirus and Its Comparative Analysis with Standard Vaccinal Strains for Effectiv
(2022) *Vaccines*, 10 (12), art. no. 2179, .

46) Oladipo, E.K., Adeniyi, M.O., Ogunlowo, M.T., Irewolede, B.A., Adekanola, V.O., Oluseyi, G. Olufemi, S.E., Adediran, D.A., Olonade, A., Idowu, U.A., Kolawole, O.M., Oloke, J.K., Onyea

Bioinformatics Designing and Molecular Modelling of a Universal mRNA Vaccine for S
(2022) *Vaccines*, 10 (12), art. no. 2107, .

47) Bhattacharya, K., Shamkh, I.M., Khan, M.S., Lotfy, M.M., Nzeyimana, J.B., Abutayeh, R.F., I Chanu, N.R., Khanal, P., Bhattacharjee, A., Basalious, E.B.

Multi-Epitope Vaccine Design against Monkeypox Virus via Reverse Vaccinology Metl Immunoinformatic and Bioinformatic Approaches
(2022) *Vaccines*, 10 (12), art. no. 2010, .

48) Sulistyaningsih, E., Istinaroh, N., Dewi, R., Hairrudin

Expression and in silico Analysis of CIDR α 1 Recombinant Protein from Plasmodium I Subunit Vaccine Candidate
(2022) *Trends in Sciences*, 19 (23), art. no. 1621, .

49)

Gonçalves, J.M., Cardoso, T.L., de Freitas, S.B., Woloski, R., Neto, A.C.P.S., da Silva Pinto, L., D.D.

In silico analyses and design of chimeric proteins containing epitopes of Bartonella hens control of cat scratch disease

(2022) *Applied Microbiology and Biotechnology*, 106 (24), pp. 8079-8091.

50) Mohanty, R., Manoswini, M., Dhal, A.K., Ganguly, N.

In silico analysis of a novel protein in CAR T- cell therapy for the treatment of hemato molecular modelling, docking, and dynamics approach

(2022) *Computers in Biology and Medicine*, 151, art. no. 106285, .

51) Kar, P.P., Araveti, P.B., Kuriakose, A., Srivastava, A.

Design of a multi-epitope protein as a subunit vaccine against lumpy skin disease using approach

(2022) *Scientific Reports*, 12 (1), art. no. 19411, .

52) Lajevardi, M.S., Taheri, T., Gholami, E., Seyed, N., Rafati, S.

Structural analysis of PpSP15 and PsSP9 sand fly salivary proteins designed with a vaccine candidate against cutaneous leishmaniasis

(2022) *Parasites and Vectors*, 15 (1), art. no. 377, .

53) Li, X.-W., Zhang, N., Li, Z.-L., Dibo, N., Ma, Z.-R., Lu, B., Huang, Y.-H., Chang, Y.-F., Chen,

Epitope vaccine design for Toxoplasma gondii based on a genome-wide database of i

(2022) *Parasites and Vectors*, 15 (1), art. no. 364, .

54) Gandhamaneni, B.S., Krishnamoorthy, H.N.R., Veerappapillai, S., Mohapatra, S.R., Karuppa

Envelope Glycoprotein based multi-epitope vaccine against a co-infection of Human I Herpesvirus 6 using in silico strategies

(2022) *Glycoconjugate Journal*, 39 (6), pp. 711-724.

55) Akhtar, N., Singh, A., Upadhyay, A.K., Mannan, M.A.-U.

Design of a multi-epitope vaccine against the pathogenic fungi Candida tropicalis using

(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 140, .

56) Shantier, S.W., Mustafa, M.I., Abdelmoneim, A.H., Fadl, H.A., Elbager, S.G., Makhawi, A.M.

Novel multi epitope-based vaccine against monkeypox virus: vaccinomic approach
(2022) *Scientific Reports*, 12 (1), art. no. 15983, .

57) Akter, S., Shahab, M., Sarkar, M.M.H., Hayat, C., Banu, T.A., Goswami, B., Jahan, I., Osma M.A., Shaikh, A.A., Khan, M.S.

Immunoinformatics approach to epitope-based vaccine design against the SARS-CoV
(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 136, .

58) Mahmoud, N.A., Elshafei, A.M., Almofti, Y.A.

A novel strategy for developing vaccine candidate against Jaagsiekte sheep retrovirus proteins: an in-silico approach
(2022) *BMC Veterinary Research*, 18 (1), art. no. 343, .

59) Lemes, M.R., Rodrigues, T.C.V., Jaiswal, A.K., Tiwari, S., Sales-Campos, H., Andrade-Silva, V., Rodrigues, V., Soares, S.C., da Silva, M.V.

In silico designing of a recombinant multi-epitope antigen for leprosy diagnosis
(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 128, .

60) Pathak, R.K., Lim, B., Kim, D.-Y., Kim, J.-M.

Designing multi-epitope-based vaccine targeting surface immunogenic protein of Streptococcus immunoinformatics to control mastitis in dairy cattle
(2022) *BMC Veterinary Research*, 18 (1), art. no. 337, .

61) Bahadori, Z., Shafaghi, M., Madanchi, H., Ranjbar, M.M., Shabani, A.A., Mousavi, S.F.

In silico designing of a novel epitope-based candidate vaccine against Streptococcus introduction of a new domain of PepO as adjuvant
(2022) *Journal of Translational Medicine*, 20 (1), art. no. 389, .

62) Campos, D.M.D.O., Silva, M.K.D., Barbosa, E.D., Leow, C.Y., Fulco, U.L., Oliveira, J.I.N.

Exploiting reverse vaccinology approach for the design of a multiepitope subunit vaccine against COVID-19
(2022) *Computational Biology and Chemistry*, 101, art. no. 107754, .

63) Alzarea, S.I.

Identification and construction of a multi-epitopes vaccine design against Klebsiella : modeling study

(2022) *Scientific Reports*, 12 (1), art. no. 14402, .

64) Bagherzadeh, M.A., Izadi, M., Baesi, K., Jahromi, M.A.M., Pirestani, M.

Considering epitopes conservity in targeting SARS-CoV-2 mutations in variants: a no approach to vaccine design

(2022) *Scientific Reports*, 12 (1), art. no. 14017, .

65) Islam, S.I., Mou, M.J., Sanjida, S.

Application of reverse vaccinology to design a multi-epitope subunit vaccine against veronii

(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 118, .

66) Saha, S., Vashishtha, S., Kundu, B., Ghosh, M.

In-silico design of an immunoinformatics based multi-epitope vaccine against Leishm

(2022) *BMC Bioinformatics*, 23 (1), art. no. 319, .

67) Sanami, S., Rafieian-Kopaei, M., Dehkordi, K.A., Pazoki-Toroudi, H., Azadegan-Dehkordi, F, Nezhad, M.S., Ghasemi-Dehnoo, M., Bagheri, N.

In silico design of a multi-epitope vaccine against HPV16/18

(2022) *BMC Bioinformatics*, 23 (1), art. no. 311, .

68) Salaikumaran, M.R., Kasamuthu, P.S., Aathmanathan, V.S., Burra, V.L.S.P.

An in silico approach to study the role of epitope order in the multi-epitope-based pep

(2022) *Scientific Reports*, 12 (1), art. no. 12584, .

69) Atapour, A., Vosough, P., Jafari, S., Sarab, G.A.

A multi-epitope vaccine designed against blood-stage of malaria: an immunoinformat

(2022) *Scientific Reports*, 12 (1), art. no. 11683, .

70) Rahbar, M.R., Mubarak, S.M.H., Hessami, A., Khalesi, B., Pourzardosht, N., Khalili, S., Zanc

A unique antigen against SARS-CoV-2, Acinetobacter baumannii, and Pseudomonas aeruginosa
(2022) *Scientific Reports*, 12 (1), art. no. 10852, .

71) Jabin, D., Kumar, A.

T-cell epitope-based vaccine prediction against Aspergillus fumigatus: a harmful cause of infection
(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 72, .

72) Khanum, S., Carbone, V., Gupta, S.K., Yeung, J., Shu, D., Wilson, T., Parlane, N.A., Altermark, P.H., Wedlock, D.N., Heiser, A.

Mapping immunogenic epitopes of an adhesin-like protein from Methanobrevibacter ruminantium: a comparison of empirical data with in silico prediction methods
(2022) *Scientific Reports*, 12 (1), art. no. 10394, .

73) Nelluri, K.D.D., Ammulu, M.A., Durga, M.L., Sravani, M., Kumar, V.P., Poda, S.

In silico multi-epitope Bunyamwera virus vaccine to target virus nucleocapsid N protein
(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 89, .

74) Zhang, X., Wei, H., Zhang, Y., Zhao, Y., Wang, L., Hu, Y., Nguitragool, W., Sattabongkot, J., Wang, Q.

Genetic diversity of Plasmodium vivax reticulocyte binding protein 2b in global parasites
(2022) *Parasites and Vectors*, 15 (1), art. no. 205, .

75) Kumar, A., Sahu, U., Kumari, P., Dixit, A., Khare, P.

Designing of multi-epitope chimeric vaccine using immunoinformatic platform by targeting CD44 and CD133 against cervical cancer
(2022) *Scientific Reports*, 12 (1), art. no. 9521, .

76) Dey, J., Mahapatra, S.R., Raj, T.K., Kaur, T., Jain, P., Tiwari, A., Patro, S., Misra, N., Suar, M.

Designing a novel multi-epitope vaccine to evoke a robust immune response against resistant Enterococcus faecium bacterium
(2022) *Gut Pathogens*, 14 (1), art. no. 21, .

77) Omoniyi, A.A., Adebisi, S.S., Musa, S.A., Nzalak, J.O., Bauch, Z.M., Bako, K.W., Olatomide, Nyengaard, J.R.

In silico design and analyses of a multi-epitope vaccine against Crimean-Congo hemorrhagic fever reverse vaccinology and immunoinformatics approaches

(2022) *Scientific Reports*, 12 (1), art. no. 8736, .

- 78) Alizadeh, M., Amini-Khoei, H., Tahmasebian, S., Ghatreh Samani, M., Ghatreh Samani, K., E Salehi, M., Ghasemi-Dehnoo, M., Azadegan-Dehkordi, F., Sanami, S., Bagheri, N.

Designing a novel multi-epitope vaccine against Ebola virus using reverse vaccinology

(2022) *Scientific Reports*, 12 (1), art. no. 7757, .

- 79) Awad, N., Mohamed, R.H., Ghoneim, N.I., Elmehrath, A.O., El-Badri, N.

Immunoinformatics approach of epitope prediction for SARS-CoV-2

(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 60, .

- 80) Kootery, K.P., Sarojini, S.

Structural and functional characterization of a hypothetical protein in the RD7 region of Mycobacterium tuberculosis — an in silico approach to candidate vaccines

(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 55, .

- 81) Al Tbeishat, H.

Novel In Silico mRNA vaccine design exploiting proteins of M. tuberculosis that modulate gene expression by inducing epigenetic modifications

(2022) *Scientific Reports*, 12 (1), art. no. 4645, .

- 82) Joshi, A., Krishnan, S., Kaushik, V.

Codon usage studies and epitope-based peptide vaccine prediction against Tuberculosis

(2022) *Journal of Genetic Engineering and Biotechnology*, 20 (1), art. no. 41, .

- 83) Rouzbahani, A.K., Kheirandish, F., Hosseini, S.Z.

Design of a multi-epitope-based peptide vaccine against the S and N proteins of SARS-CoV-2 using immunoinformatics approach

(2022) *Egyptian Journal of Medical Human Genetics*, 23 (1), art. no. 16, .

- 84) Jalal, K., Abu-Izneid, T., Khan, K., Abbas, M., Hayat, A., Bawazeer, S., Uddin, R.

Identification of vaccine and drug targets in *Shigella dysenteriae* sd197 using reverse vac
(2022) *Scientific Reports*, 12 (1), art. no. 251, .

85) Joshi, A., Ray, N.M., Singh, J., Upadhyay, A.K., Kaushik, V.

T-cell epitope-based vaccine designing against Orthohantavirus: a causative agent of disease

(2022) *Network Modeling Analysis in Health Informatics and Bioinformatics*, 11 (1), art. no. 2

86) Agarwal, V., Tiwari, A., Varadwaj, P.

Prediction of suitable T and B cell epitopes for eliciting immunogenic response again

(2022) *Network Modeling Analysis in Health Informatics and Bioinformatics*, 11 (1), art. no. 1

87) Alabbas, A.B.

Integrativesubtractive proteomics, immunoinformatics, docking, and simulation appro vaccine against Sin Nombre orthohantavirus

(2022) *Frontiers in Immunology*, 13, art. no. 1022159, .

88) Huang, S., Zhang, C., Li, J., Dai, Z., Huang, J., Deng, F., Wang, X., Yue, X., Hu, X., Li, Y., D Zhong, Z., Wang, Y.

Designing a multi-epitope vaccine against coxsackievirus B based on immunoinform

(2022) *Frontiers in Immunology*, 13, art. no. 933594, .

89) Ishwarlall, T.Z., Adeleke, V.T., Maharaj, L., Okpeku, M., Adeniyi, A.A., Adeleke, M.A.

Identification of potential candidate vaccines against *Mycobacterium ulcerans* based superfamily transporter protein

(2022) *Frontiers in Immunology*, 13, art. no. 1023558, .

90) Gupta, S.K., Osmanoglu, Ö., Minocha, R., Bandi, S.R., Bencurova, E., Srivastava, M., Dand

Genome-wide scan for potential CD4+ T-cell vaccine candidates in *Candida auris* by e and evolutionary information

(2022) *Frontiers in Medicine*, 9, art. no. 1008527, .

91) Cheng, P., Xue, Y., Wang, J., Jia, Z., Wang, L., Gong, W.

Evaluation of the consistence between the results of immunoinformatics predictions

experiments of a new tuberculosis vaccine MP3RT

(2022) *Frontiers in Cellular and Infection Microbiology*, 12, art. no. 1047306, .

92) Yousaf, M., Ismail, S., Ullah, A., Bibi, S.

Immuno-informatics profiling of monkeypox virus cell surface binding protein for des multi-valent peptide-based vaccine

(2022) *Frontiers in Immunology*, 13, art. no. 1035924, .

93) Mushtaq, M., Khan, S., Hassan, M., Al-Harbi, A.I., Hameed, A.R., Khan, K., Ismail, S., Irfan,

Computational Design of a Chimeric Vaccine against Plesiomonas shigelloides Using Vaccinology

(2022) *Vaccines*, 10 (11), art. no. 1886, .

94) Moezzi, M.S., Derakhshandeh, A., Hemmatzadeh, F.

Immunoinformatics analysis of candidate proteins for controlling bovine paratubercu

(2022) *PLoS ONE*, 17 (11 November), art. no. e0277751, .

95) Hermawan, A., Damai, F.I., Martin, L., Chrisdianto, M., Julianto, N.M., Pramanda, I.T., Gustik

Immunoinformatics Analysis of Citrullinated Antigen as Potential Multi-peptide Lung (for Indonesian Population

(2022) *International Journal of Peptide Research and Therapeutics*, 28 (6), art. no. 162, .

96) Salod, Z., Mahomed, O.

Mapping Potential Vaccine Candidates Predicted by VaxiJen for Different Viral Pathog Scoping Review

(2022) *Vaccines*, 10 (11), art. no. 1785, .

97) Dar, M.A., Kumar, P., Kumar, P., Shrivastava, A., Dar, M.A., Chauhan, R., Trivedi, V., Singh, Dhingra, S.

Designing of Peptide Based Multi-Epitope Vaccine Construct against Gallbladder Can and Computational Approaches

(2022) *Vaccines*, 10 (11), art. no. 1850, .

98) Seadawy, M.G., Zekri, A.R.N., Saeed, A.A., San, E.J., Ageez, A.M.

Candidate Multi-Epitope Vaccine against Corona B.1.617 Lineage: In Silico Approach
(2022) *Life*, 12 (11), art. no. 1715, .

- 99) Akhtar, N., Kaushik, V., Grewal, R.K., Wani, A.K., Suwattanasophon, C., Choowongkamon, I., Cavallo, L., Chawla, M.

Immunoinformatics-Aided Design of a Peptide Based Multiepitope Vaccine Targeting Proteins against Monkeypox Virus
(2022) *Viruses*, 14 (11), art. no. 2374, .

- 100) AlEraky, D.M., Abuohashish, H.M., Bugshan, A.S., Abdelsalam, M.M., AlHawaj, H.A., AlKhaznaji, N.M., Ragab, Y.M., AbdelKhalek, Z., Helmy, O.M., Ramadan, M.A.

Potential Antigenic Candidates for the Development of Peptide-Based Vaccines to Inhibit Helicobacter pylori Infection in BALB/c Mice
(2022) *International Journal of Molecular Sciences*, 23 (21), art. no. 12824, .

- 101) Uddin, M.B., Tanni, F.Y., Hoque, S.F., Sajib, E.H., Faysal, M.A., Rahman, M.A., Galib, A., Ehsan, M., Hasan, M., Ahmed, S.S.U.

A candidate multi-epitope vaccine against Lumpy skin disease
(2022) *Transboundary and Emerging Diseases*, 69 (6), pp. 3548-3561.

- 102) Shamsinejad, F.S., Zafari, Z.

Prediction of Potential Drug Targets and Vaccine Candidates Against Antibiotic-Resistant Pseudomonas aeruginosa
(2022) *International Journal of Peptide Research and Therapeutics*, 28 (6), art. no. 160, .

- 103) Islam, S.I., Mou, M.J., Sanjida, S.

In Silico-Based Vaccine Design Against Hepatopancreatic Microsporidiosis in Shrimp
(2022) *Trends in Sciences*, 19 (21), art. no. 2679, .

- 104) Rahman, S., Das, A.K.

A subtractive proteomics and immunoinformatics approach towards designing a polypeptide vaccine against pathogenic Listeria monocytogenes
(2022) *Microbial Pathogenesis*, 172, art. no. 105782, .

- 105)

Bhattacharya, M., Chatterjee, S., Nag, S., Dhama, K., Chakraborty, C.

Designing, characterization, and immune stimulation of a novel multi-epitopic peptide-based candidate against monkeypox virus through screening its whole genome encoded proteins: a novel approach

(2022) *Travel Medicine and Infectious Disease*, 50, art. no. 102481, .

106) Sun, Q., Huang, Z., Yang, S., Li, Y., Ma, Y., Yang, F., Zhang, Y., Xu, F.

Bioinformatics-based SARS-CoV-2 epitopes design and the impact of spike protein on humoral and cellular immunities

(2022) *Immunobiology*, 227 (6), art. no. 152287, .

107) Omoboyede, V., Ibrahim, O., Umar, H.I., Bello, T., Adedeji, A.A., Khalid, A., Fayojegbe, E.S P.O.

Designing a vaccine-based therapy against Epstein-Barr virus-associated tumors using a novel approach

(2022) *Computers in Biology and Medicine*, 150, art. no. 106128, .

108) Khan, T., Muzaffar, A., Shoaib, R.M., Khan, A., Waheed, Y., Wei, D.-Q.

Towards specie-specific ensemble vaccine candidates against mammarenaviruses using a novel vaccinology pipeline and molecular modelling approaches

(2022) *Microbial Pathogenesis*, 172, art. no. 105793, .

109) Brakat, R., Mahmoud, A., Abd El Gayed, E., Soliman, S., Sharaf-El-Deen, S.

Evaluation of calpain T-cell epitopes as vaccine candidates against experimental Leishmaniasis: a pilot study

(2022) *Parasitology Research*, 121 (11), pp. 3275-3285.

110) Ghosh, N., Saha, I., Sharma, N., Nandi, S.

Bioinformatics pipeline unveils genetic variability to synthetic vaccine design for Influenza A virus

(2022) *International Immunopharmacology*, 112, art. no. 109224, .

111) Tarrahimofrad, H., Zamani, J., Hamblin, M.R., Darvish, M., Mirzaei, H.

A designed peptide-based vaccine to combat *Brucella melitensis*, *B. suis* and *B. abortus* using a novel mapping and immunoinformatics approach

(2022) *Biomedicine and Pharmacotherapy*, 155, art. no. 113557, .

- 112) Christodoulides, M., de Oliveira, D., Cleary, D.W., Humbert, M.V., Machado-de-Ávila, R.A.,
An in silico reverse vaccinology study of Brachyspira pilosicoli, the causative organ spirochaetosis, to identify putative vaccine candidates
(2022) *Process Biochemistry*, 122, pp. 128-148.
- 113) Martinelli, D.D.
In silico vaccine design: A tutorial in immunoinformatics
(2022) *Healthcare Analytics*, 2, art. no. 100044, .
- 114) Saleki, K., Mohamadi, M.H., Banazadeh, M., Alijanizadeh, P., Javanmehr, N., Pourahmad,
In silico design of a TLR4-mediating multiepitope chimeric vaccine against amyotrophic lateral sclerosis: advanced immunoinformatics
(2022) *Journal of Leukocyte Biology*, 112 (5), pp. 1191-1207.
- 115) Cui, Y., Miao, C., Chen, W., Shang, W., Qi, Q., Zhou, W., Wang, X., Li, Y., Yan, Z., Jiang, Y.
Construction and protective efficacy of a novel Streptococcus pneumoniae fusion protein with PlyD4
(2022) *Frontiers in Immunology*, 13, art. no. 1043293, .
- 116) Papukashvili, D., Rcheulishvili, N., Liu, C., Wang, X., He, Y., Wang, P.G.
Strategy of developing nucleic acid-based universal monkeypox vaccine candidates
(2022) *Frontiers in Immunology*, 13, art. no. 1050309, .
- 117) Atre, N.M., Alagarasu, K., Shil, P.
ArVirInd-a database of arboviral antigenic proteins from the Indian subcontinent
(2022) *PeerJ*, 10, art. no. e13851, .
- 118) Rcheulishvili, N., Papukashvili, D., Liu, C., Ji, Y., He, Y., Wang, P.G.
Promising strategy for developing mRNA-based universal influenza virus vaccine for swine – focus on the bigger picture
(2022) *Frontiers in Immunology*, 13, art. no. 1025884, .

119) Suleman, M., Rashid, F., Ali, S., Sher, H., Luo, S., Xie, L., Xie, Z.

Immunoinformatic-based design of immune-boosting multiepitope subunit vaccines validation through molecular dynamics and immune simulation

(2022) *Frontiers in Immunology*, 13, art. no. 1042997, .

120) Aziz, S., Almajhdi, F.N., Waqas, M., Ullah, I., Salim, M.A., Khan, N.A., Ali, A.

Contriving multi-epitope vaccine ensemble for monkeypox disease using an immune

(2022) *Frontiers in Immunology*, 13, art. no. 1004804, .

121) Gracy Fathima Selvaraj, Krishnasamy, K., Piramanayagam Shanmughavel, Devadasan Ve

Designing a multi-epitope peptide-based vaccine for human influenza A/H1N1 virus . approach

(2022) *Therapeutic Protein Targets For Drug Discovery And Clinical Evaluation: Bio-crystal Design*, pp. 233-272.

122) Kamli, M.R., Sabir, J.S.M., Malik, M.A., Ahmad, A.

Characterization of the Secretome of Pathogenic Candida glabrata and Their Effective Candidiasis in BALB/c Mice for Vaccine Development

(2022) *Pharmaceutics*, 14 (10), art. no. 1989, .

123) Mir, S.A., Alaidarous, M., Alshehri, B., Bin Dukhyil, A.A., Banawas, S., Madkhali, Y., Alsaga

Immunoinformatics-Based Identification of B and T Cell Epitopes in RNA-Dependent CoV-2

(2022) *Vaccines*, 10 (10), art. no. 1660, .

124) Naveed, M., Makhdoom, S.I., Ali, U., Jabeen, K., Aziz, T., Khan, A.A., Jamil, S., Shahzad, I

Immunoinformatics Approach to Design Multi-Epitope-Based Vaccine against Machu Nucleocapsid as a Potential Candidate

(2022) *Vaccines*, 10 (10), art. no. 1732, .

125) Islam, S.I., Sanjida, S., Ahmed, S.S., Almeahmadi, M., Allahyani, M., Aljuaid, A., Alsaiani, A.A

Core Proteomics and Immunoinformatic Approaches to Design a Multiepitope Reverse Chagas Disease

(2022) *Vaccines*, 10 (10), art. no. 1669, .

126) Althurwi, H.N., Alharthy, K.M., Albaqami, F.F., Altharawi, A., Javed, M.R., Muhseen, Z.T., Ta

mRNA-Based Vaccine Designing against Epstein-Barr Virus to Induce an Immune Re
Immunoinformatic and Molecular Modelling Approaches

(2022) *International Journal of Environmental Research and Public Health*, 19 (20), art. no

127) Khalid, K., Hussain, T., Jamil, Z., Alrokayan, K.S., Ahmad, B., Waheed, Y.

Vaccinomics-Aided Development of a Next-Generation Chimeric Vaccine against an
genitalium

(2022) *Vaccines*, 10 (10), art. no. 1720, .

128) Naveed, M., Hassan, J.-U., Ahmad, M., Naeem, N., Mughal, M.S., Rabaan, A.A., Aljeldah, Sabour, A.A., Alaeq, R.A., Alshiekheid, M.A., Turkistani, S.A., Elmi, A.H., Ahmed, N.

Designing mRNA- and Peptide-Based Vaccine Construct against Emerging Multidrug
freundii: A Computational-Based Subtractive Proteomics Approach

(2022) *Medicina (Lithuania)*, 58 (10), art. no. 1356, .

129) Sripattanakul, S., Prapong, T., Kamlangdee, A., Katzenmeier, G., Haltrich, D., Hongprayoo

Leptospira borgpetersenii Leucine-Rich Repeat Proteins and Derived Peptides in an
for the Diagnosis of Canine Leptospiral Infections

(2022) *Tropical Medicine and Infectious Disease*, 7 (10), art. no. 311, .

130) Murungi, E., Masila, E., Ogali, I., Langat, N., Onywera, R., Malonza, V., Inguyesi, C., Onya M.

Draft Genome Sequence of Streptococcus agalactiae KALRO-LC1 Strain Isolated fro
Laikipia County, Kenya

(2022) *Microbiology Resource Announcements*, 11 (10), .

131) Imaizumi, K., Phurahong, T., Siripattanapipong, S., Choowongkamon, K., Leelayoova, S., I Unajak, S.

Design of a Chimeric Multi-Epitope Vaccine (CMEV) against Both Leishmania martin
orientalis Parasites Using Immunoinformatic Approaches

(2022) *Biology*, 11 (10), art. no. 1460, .

132) Bolourchi, N., Fereshteh, S., Goodarzi, N.N., Badmasti, F.

Subtractive genomic analysis for computational identification of putative immunoge

Enterobacter cloacae complex

(2022) *PLoS ONE*, 17 (10 October), art. no. e0275749, .

133) Mia, M.M., Hasan, M., Ahmed, S., Rahman, M.N.

Insight into the first multi-epitope-based peptide subunit vaccine against avian influenza: An immunoinformatics approach

(2022) *Infection, Genetics and Evolution*, 104, art. no. 105355, .

134) Tamjid, N., Eskandari, S., Karimi, Z., Nezafat, N., Negahdaripour, M.

Vaccinomics strategy to design an epitope peptide vaccine against *Helicobacter pylori*

(2022) *Process Biochemistry*, 121, pp. 380-395.

135) Baral, P., Pavadai, E., Zhou, Z., Xu, Y., Tison, C.K., Pokhrel, R., Gerstman, B.S., Chapagai

Immunoinformatic screening of Marburgvirus epitopes and computational investigation of their complexes

(2022) *International Immunopharmacology*, 111, art. no. 109109, .

136) Yuliawuri, H., Christian, J.E.

Epitope Mapping of ORF3a Protein SARS-CoV-2 in Indonesia through Computational Approach

(2022) *Journal of Tropical Life Science*, 12 (3), pp. 351-356.

137) Kumar, S., Kumar, G.S., Maitra, S.S., Malý, P., Bharadwaj, S., Sharma, P., Dwivedi, V.D.

Viral informatics: Bioinformatics-based solution for managing viral infections

(2022) *Briefings in Bioinformatics*, 23 (5), art. no. bbac326, .

138) Rowaiye, A.B., Nwonu, E.J., Asala, T.M., Ogu, A.C., Bur, D., Chukwu, C., Oli, A.N., Agbalal

Identifying immunodominant multi-epitopes from the envelope glycoprotein of the Lassa virus vaccine candidate for Lassa fever

(2022) *Clinical and Experimental Vaccine Research*, 11 (3), pp. 249-263.

139) Moin, A.T., Patil, R.B., Tabassum, T., Araf, Y., Ullah, Md.A., Snigdha, H.J., Alam, T., Alvey, S., Y., Zhai, J., Zheng, C.

Immunoinformatics Approach to Design Novel Subunit Vaccine against the Epstein-Barr Virus

(2022) *Microbiology Spectrum*, 10 (5), .

140) Jaan, S., Zaman, A., Ahmed, S., Shah, M., Ojha, S.C.

mRNA Vaccine Designing Using Chikungunya Virus E Glycoprotein through Immunc Approaches

(2022) *Vaccines*, 10 (9), art. no. 1476, .

141) Dar, H.A., Almajhdi, F.N., Aziz, S., Waheed, Y.

Immunoinformatics-Aided Analysis of RSV Fusion and Attachment Glycoproteins to Vaccine

(2022) *Vaccines*, 10 (9), art. no. 1381, .

142) Hammed-Akanmu, M., Mim, M., Osman, A.Y., Sheikh, A.M., Behmard, E., Rabaan, A.A., S

Designing a Multi-Epitope Vaccine against Toxoplasma gondii: An Immunoinformati

(2022) *Vaccines*, 10 (9), art. no. 1389, .

143) Abdi, S.A.H., Ali, A., Sayed, S.F., Abutahir, Ali, A., Alam, P.

Multi-Epitope-Based Vaccine Candidate for Monkeypox: An In Silico Approach

(2022) *Vaccines*, 10 (9), art. no. 1564, .

144) Juretić, D.

Designed Multifunctional Peptides for Intracellular Targets

(2022) *Antibiotics*, 11 (9), art. no. 1196, .

145) Ismail, S., Alsowayeh, N., Abbasi, H.W., Albutti, A., Tahir ul Qamar, M., Ahmad, S., Raza, R

Pan-Genome-Assisted Computational Design of a Multi-Epitopes-Based Vaccine Cai cinaedi

(2022) *International Journal of Environmental Research and Public Health*, 19 (18), art. no

146) Vijayakumar, S.

Harnessing Fuzzy Rule Based System for Screening Major Histocompatibility Compl from the Whole Proteome: An Implementation on the Proteome of Leishmania donov

(2022) *Journal of Computational Biology*, 29 (9), pp. 1045-1058.

147) Alshammari, A., Alasmari, A.F., Alharbi, M., Ali, N., Muhseen, Z.T., Ashfaq, U.A., Ud-din, M.

Novel Chimeric Vaccine Candidate Development against *Leptotrichia buccalis*

(2022) *International Journal of Environmental Research and Public Health*, 19 (17), art. no

148) Karimah, N., Sulfianti, A., Nurhasanah, A.

A bioinformatic approach towards designing a human papillomavirus vaccine based sequence of HPV45

(2022) *Indian Journal of Biochemistry and Biophysics*, 59 (9), pp. 927-935.

149) Kumar, A., Rathi, E., Kini, S.G.

Computational design of a broad-spectrum multi-epitope vaccine candidate against coronaviruses

(2022) *3 Biotech*, 12 (9), art. no. 240, .

150) Mahapatra, S.R., Dey, J., Jaiswal, A., Roy, R., Misra, N., Suar, M.

Immunoinformatics-guided designing of epitope-based subunit vaccine from *Pilus a Acinetobacter baumannii* bacteria

(2022) *Journal of Immunological Methods*, 508, art. no. 113325, .

151) Khan, A., Kumar, A.

An Immunoinformatic Study on Exploration of Membrane Proteins to Develop Epitope for *Streptococcus pneumoniae*

(2022) *International Journal of Peptide Research and Therapeutics*, 28 (5), art. no. 142, .

152) Dhankhar, R., Kawatra, A., Gupta, V., Mohanty, A., Gulati, P.

In silico and in vitro analysis of arginine deiminase from *Pseudomonas furukawii* as

(2022) *3 Biotech*, 12 (9), art. no. 220, .

153) D'Onofrio, F., Visciano, P., Krasteva, I., Torresi, M., Tittarelli, M., Pomilio, F., Iannetti, L., Di M., Luciani, M.

Immunoproteome profiling of *Listeria monocytogenes* under mild acid and salt stress

(2022) *Proteomics*, 22 (18), art. no. 2200082, .

- 154) Suleman, M., Asad, U., Arshad, S., Rahman, A.U., Akbar, F., Khan, H., Hussain, Z., Ali, S.S L., Wei, D.-Q.

Screening of immune epitope in the proteome of the Dabie bandavirus, SFTS, to des proteome-wide vaccine for immune response instigation using an immunoinformatic
(2022) *Computers in Biology and Medicine*, 148, art. no. 105893, .

- 155) Mohammad Shabani, N.R., Khairul Hisyam Ismail, C.M., Anthony, A.A., Leow, C.H., Chuah N.M., He, Y., Banga Singh, K.K., Leow, C.Y.

Mass spectrometry-based immuno-peptidomics and computational vaccinology strat universal Shigella immunogenic candidates
(2022) *Computers in Biology and Medicine*, 148, art. no. 105900, .

- 156) Hasan, M., Mia, M.

Exploratory Algorithm of a Multi-epitope-based Subunit Vaccine Candidate Against (Reverse Vaccinology-Based Immunoinformatic Approach
(2022) *International Journal of Peptide Research and Therapeutics*, 28 (5), art. no. 134, .

- 157) Hadizadeh Tasbiti, A., Badmasti, F., Siadat, S.D., Fateh, A., Yari, F., GHzanfari Jajin, M., Y&

Recognition of specific immunogenic antigens with potential diagnostic value in mu Mycobacterium tuberculosis inducing humoral immunity in MDR-TB patients
(2022) *Infection, Genetics and Evolution*, 103, art. no. 105328, .

- 158) Mesbahi Moghaddam, M., Rasooli, I., Ghaini, M.H., Jahangiri, A., Ramezanalizadeh, F., Gt

Immunoprotective characterization of egg yolk immunoglobulin raised to loop 3 of o (Omp34) in a murine model against Acinetobacter baumannii
(2022) *Molecular Immunology*, 149, pp. 87-93.

- 159) Kaushal, N., Jain, S., Baranwal, M.

Computational design of immunogenic peptide constructs comprising multiple hum dengue virus envelope epitopes
(2022) *Journal of Molecular Recognition*, 35 (9), art. no. e2961, .

- 160) Arivuselvam, R., Mohamed Sheik Tharik, A., Santhosh, S.B., Meyyanathan, S.N., Rajeshki

In silico designed novel multi epitope vaccine construct towards Bundibugyo Ebola vacuna multi-epítope de diseño in silico frente al virus Bundibugyo]
(2022) *Vacunas*, 23 (3), pp. 194-207.

- 161) Aiman, S., Alhamhoom, Y., Ali, F., Rahman, N., Rastrelli, L., Khan, A., Farooq, Q.U.A., Ahm
Multi-epitope chimeric vaccine design against emerging Monkeypox virus via revers bioinformatics and immunoinformatics approach
 (2022) *Frontiers in Immunology*, 13, art. no. 985450, .
- 162) Bhattacharya, M., Sharma, A.R., Mallick, B., Lee, S.-S., Seo, E.-M., Chakraborty, C.
B.1.1.7 (Alpha) variant is the most antigenic compared to Wuhan strain, B.1.351, B.1. variants
 (2022) *Frontiers in Microbiology*, 13, art. no. 895695, .
- 163) Kaushik, V., Jain, P., Akhtar, N., Joshi, A., Gupta, L.R., Grewal, R.K., Oliva, R., Shaikh, A.R
Immunoinformatics-Aided Design and in Vivo Validation of a Peptide-Based Multiepi Circovirus
 (2022) *ACS Pharmacology and Translational Science*, 5 (8), pp. 679-691.
- 164) Abbasi, B.A., Dharan, A., Mishra, A., Saraf, D., Ahamad, I., Suravajhala, P., Valadi, J.
In Silico Characterization of Uncharacterized Proteins From Multiple Strains of Clostr
 (2022) *Frontiers in Genetics*, 13, art. no. 878012, .
- 165) Jaan, S., Shah, M., Ullah, N., Amjad, A., Javed, M.S., Nishan, U., Mustafa, G., Nawaz, H., .
Multi-epitope chimeric vaccine designing and novel drug targets prioritization against Staphylococcus pseudintermedius
 (2022) *Frontiers in Microbiology*, 13, art. no. 971263, .
- 166) Aziz, S., Waqas, M., Halim, S.A., Ali, A., Iqbal, A., Iqbal, M., Khan, A., Al-Harrasi, A.
Exploring whole proteome to contrive multi-epitope-based vaccine for NeoCoV: An in silico approach
 (2022) *Frontiers in Immunology*, 13, art. no. 956776, .
- 167) Zheng, J., Zhang, D.-J., Zhao, S.-Q., Li, Y.-M., Zhou, Y.-X., Zhou, W.-T., Zhou, X.-T.
Preparation and characterization of a recombinant poly - epitopic vaccine EgG1Y162 against echinococcosis based on the linker GSGGSG
 (2022) *Chinese Journal of Schistosomiasis Control*, 34 (4), pp. 378-382 and 416.

168) Khalid, K., Ahsan, O., Khaliq, T., Muhammad, K., Waheed, Y.

Immunoinformatics-Based Proteome Mining to Develop a Next-Generation Vaccine I burgdorferi: The Cause of Lyme Borreliosis

(2022) *Vaccines*, 10 (8), art. no. 1239, .

169) Yousaf, M., Ullah, A., Sarosh, N., Abbasi, S.W., Ismail, S., Bibi, S., Hasan, M.M., Albadrani Abdulhakim, J.A., Abdel-Daim, M.M., Bin Emran, T.

Design of Multi-Epitope Vaccine for Staphylococcus saprophyticus: Pan-Genome an Approach

(2022) *Vaccines*, 10 (8), art. no. 1192, .

170) Khan, M.T., Mahmud, A., Hasan, M., Azim, K.F., Begum, M.K., Rolin, M.H., Akter, A., Mond

Proteome Exploration of Legionella pneumophila to Identify Novel Therapeutics: a H Genomics and Reverse Vaccinology Approach

(2022) *Microbiology Spectrum*, 10 (4), .

171) Wang, Z., Guo, G., Li, Q., Li, P., Li, M., Zhou, L., Tan, Z., Zhang, W.

Combing Immunoinformatics with Pangenome Analysis to Design a Multiepitope Su Klebsiella pneumoniae K1, K2, K47, and K64

(2022) *Microbiology Spectrum*, 10 (4), .

172) Nasiri, O., Hajihassani, M., Goodarzi, N.N., Fereshteh, S., Bolourchi, N., Firoozeh, F., Azizi

Reverse vaccinology approach to identify novel and immunogenic targets against P silico study

(2022) *PLoS ONE*, 17 (8 August), art. no. e0273770, .

173) Behmard, E., Abdulabbas, H.T., Jasim, S.A., Najafipour, S., Ghasemian, A., Farjadfar, A., E Abdolmaleki, P.

Design of a novel multi-epitope vaccine candidate against hepatitis C virus using str proteins: An immunoinformatics approach

(2022) *PLoS ONE*, 17 (8 August), art. no. e0272582, .

174) Elkaeed, E.B., Eissa, I.H., Elkady, H., Abdelalim, A., Alqaisi, A.M., Als fouk, A.A., Elwan, A.,

- 175) Sayeed, M.A., Paisie, T., Alam, M.T., Ali, A., Camilli, A., Wrammert, J., Khan, A.I., Qadri, F., E.J.

Development of a Monoclonal Antibody to a Vibriophage as a Proxy for Vibrio cholerae
(2022) *Infection and Immunity*, 90 (8), .

- 176) Islam, E.

Development of an epitope-based chimeric protein as a vaccine against Lujo virus by computational tools
(2022) *Future Virology*, 17 (8), pp. 529-543.

- 177) Vakili, B., Nezafat, N., Negahdaripour, M., Ghasemi, Y.

A structural vaccinology approach for in silico designing of a potential self-assembled vaccine against Leishmania infantum
(2022) *Experimental Parasitology*, 239, art. no. 108295, .

- 178) Li, V., Lee, C., Yoo, D.A., Cho, S., Kim, H.

In silico SARS-CoV-2 vaccine development for Omicron strain using reverse vaccinology
(2022) *Genes and Genomics*, 44 (8), pp. 937-944.

- 179) Jalal, K., Khan, K., Basharat, Z., Abbas, M.N., Uddin, R., Ali, F., Khan, S.A., Hassan, S.S.

Reverse vaccinology approach for multi-epitope centered vaccine design against dengue virus
(2022) *Environmental Science and Pollution Research*, 29 (40), pp. 60035-60053.

- 180) Banerjee, S., Chakraborty, S., Majumder, K.

Rational design of bioactive chimeric construct by exploring archaeal antimicrobial peptides
(2022) *Biologia*, 77 (8), pp. 2301-2315.

- 181) Farajnia, S., Rahbarnia, L., Khajehnasiri, N., Zarredar, H.

Design of a hybrid peptide derived from Melittin and CXCL14 –C17: A molecular dynamics simulation study
(2022) *Biologia*, 77 (8), pp. 2269-2280.

182) Chamtim, P., Suwan, E., Dong, H.T., Sirisuay, S., Areechon, N., Wangkahart, E., Hirono, I.,

Combining segments 9 and 10 in DNA and recombinant protein vaccines conferred resistance to tilapia lake virus in hybrid red tilapia (*Oreochromis sp.*) compared to single segment
(2022) *Frontiers in Immunology*, 13, art. no. 935480, .

183) Soltan, M.A., Abdulsahib, W.K., Amer, M., Refaat, A.M., Bagalagel, A.A., Diri, R.M., Alboga Sharaf, S.M.A., Elhady, S.S., Darwish, K.M., Eldeen, M.A.

Mining of Marburg Virus Proteome for Designing an Epitope-Based Vaccine
(2022) *Frontiers in Immunology*, 13, art. no. 907481, .

184) Wen, S., Song, Y., Lv, X., Meng, X., Liu, K., Yang, J., Diao, F., He, J., Huo, X., Chen, Z., Zh

Detection and Molecular Characterization of Porcine Parvovirus 7 in Eastern Inner M China
(2022) *Frontiers in Veterinary Science*, 9, art. no. 930123, .

185) Oluwagbemi, O.O., Oladipo, E.K., Kolawole, O.M., Oloke, J.K., Adelusi, T.I., Irewolede, B.A Kolapo, K.T., Akindiya, O.E., Oluwasegun, J.A., Oluwadara, B.F., Fatumo, S.

Bioinformatics, Computational Informatics, and Modeling Approaches to the Design Candidates
(2022) *Computation*, 10 (7), art. no. 117, .

186) Ysrafil, Y., Sapiun, Z., Astuti, I., Anasiru, M.A., Slamet, N.S., Hartati, H., Husain, F., Damiti,

Designing multi-epitope based peptide vaccine candidates against SARS-CoV-2 using approach
(2022) *BiolImpacts*, 12 (4), pp. 359-370.

187) Saivish, M.V., Menezes, G.D.L., Costa, V.G.D., Silva, G.C.D.D., Marques, R.E., Nogueira,

Predicting Antigenic Peptides from Rocio Virus NS1 Protein for Immunodiagnostic T Immunoinformatics and Molecular Dynamics Simulation
(2022) *International Journal of Molecular Sciences*, 23 (14), art. no. 7681, .

188) Alshabrm, F.M., Alrumaihi, F., Alrasheedi, S.F., Al-Megrin, W.A.I., Almatroudi, A., Allemailer

An In-Silico Investigation to Design a Multi-Epitopes Vaccine against Multi-Drug Res
(2022) *Vaccines*, 10 (7), art. no. 1127, .

- 189) Baloch, Z., Ikram, A., Shamim, S., Obaid, A., Awan, F.M., Naz, A., Rauff, B., Gilani, K., Qur
**Human Coronavirus Spike Protein Based Multi-Epitope Vaccine against COVID-19 ar
Coronaviruses by Using Immunoinformatic Approaches**
(2022) *Vaccines*, 10 (7), art. no. 1150, .
- 190) Li, G., Shu, J., Jin, J., Shu, J., Feng, H., Chen, J., He, Y.
**Development of a Multi-Epitope Vaccine for *Mycoplasma hyopneumoniae* and Evalu
in Mice and Piglets**
(2022) *International Journal of Molecular Sciences*, 23 (14), art. no. 7899, .
- 191) Rida, T., Ahmad, S., Ullah, A., Ismail, S., Tahir ul Qamar, M., Afsheen, Z., Khurram, M., Sac
Alatawi, E.A., Alrumaihi, F., Allemailem, K.S.
**Pan-Genome Analysis of Oral Bacterial Pathogens to Predict a Potential Novel Multi-
(2022) *International Journal of Environmental Research and Public Health*, 19 (14), art. no**
- 192) Huffman, A., Ong, E., Hur, J., D'Mello, A., Tettelin, H., He, Y.
**COVID-19 vaccine design using reverse and structural vaccinology, ontology-based
learning**
(2022) *Briefings in Bioinformatics*, 23 (4), art. no. bbac190, .
- 193) Fatoba, A.J., Adeleke, V.T., Maharaj, L., Okpeku, M., Adeniyi, A.A., Adeleke, M.A.
Design of a Multiepitope Vaccine against Chicken Anemia Virus Disease
(2022) *Viruses*, 14 (7), art. no. 1456, .
- 194) Gomes, L.G.R., Rodrigues, T.C.V., Jaiswal, A.K., Santos, R.G., Kato, R.B., Barh, D., Alzahr
S.C., Azevedo, V., Tiwari, S.
**In Silico Designed Multi-Epitope Immunogen “Tpme-VAC/LGCM-2022” May Induce B
Immunity against *Treponema pallidum* Infection**
(2022) *Vaccines*, 10 (7), art. no. 1019, .
- 195) Dasgupta, A., Bakshi, A., Mukherjee, S., Das, K., Talukdar, S., Chatterjee, P., Mondal, S., E
P., Kundu, R., Sarkar, A., Biswas, A., Paul, K., Basak, S., Manna, K., Saha, C., Mukhopadhy
R.K.

Epidemiological challenges in pandemic coronavirus disease (COVID-19): Role of artificial intelligence
(2022) *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 12 (4), art. no. e1291, .

196) Imran, M.A., Islam, M.R., Saha, A., Ferdousee, S., Mishu, M.A., Ghosh, A.

Development of Multi-epitope Based Subunit Vaccine Against Crimean-Congo Hemorrhagic Fever Using Reverse Vaccinology Approach

(2022) *International Journal of Peptide Research and Therapeutics*, 28 (4), art. no. 124, .

197) Rahman, M.M., Puspo, J.A., Adib, A.A., Hossain, M.E., Alam, M.M., Sultana, S., Islam, A., Satter, S.M., Shirin, T., Rahman, M.Z.

An Immunoinformatics Prediction of Novel Multi-Epitope Vaccines Candidate Against Dengue Virus

(2022) *International Journal of Peptide Research and Therapeutics*, 28 (4), art. no. 123, .

198) Alshammari, A., Alharbi, M., Alghamdi, A., Alharbi, S.A., Ashfaq, U.A., UI Qamar, M.T., Ullal S.

Computer-Aided Multi-Epitope Vaccine Design against *Enterobacter xiangfangensis*

(2022) *International Journal of Environmental Research and Public Health*, 19 (13), art. no. 8052, .

199) Maiti, S., Banerjee, A., Santra, D., Kanwar, M.

Immunoinformatic paradigm predicts macrophage and T-cells epitope responses against SARS-CoV-2 fragments for universal vaccination

(2022) *International Immunopharmacology*, 108, art. no. 108847, .

200) Khan, K., Khan, S.A., Jalal, K., UI-Haq, Z., Uddin, R.

Immunoinformatic approach for the construction of multi-epitopes vaccine against COVID-19

(2022) *Virology*, 572, pp. 28-43.