

Curriculum Vitae

Dr Manzoor Ahmad Mir (M. Sc, CSIR-JRF-NET, Ph. D, PGHE)

Ph. D from Jawaharlal Nehru University New Delhi through IMTEC-CSIR-Chandigarh (Associate Professor), **Coordinator** Cancer Biology Lab, **Head**, Department of Bioresources, UoK **Adjunct Faculty** at Indian Institute of Sustainability (IIS) Gujarat University

Recognition: Figured in Stanford University 2% Global Scientists list in 2023-24.

Awards: DST-Expo Award 2023 by DST, Govt of India & JKDST&IC Govt of J&K (UT) for Breast Cancer Awareness and 2nd Prize in Oral Paper Presentation at I-OSCONF-2024 at NCCS Pune

Mission: To investigate the mechanism of resistance and recurrence in Triple Negative Breast Cancer (TNBC) through drug repurposing and combination Therapy. To elucidate the cellular processes altered during the development of drug resistance in TNBC. To increase the awareness among masses regarding breast cancer that can help in better management of the disease.

Positions Held

S. No	Position/Designation	Institute/Organization	Period
1	Head Zoology Deptt.	GDC Kupwara, Higher Education Department J&K Govt.	2010-2011
2	Nodal Officer	Kupwara satellite Campus of Kashmir University	2011-2012
3	Assistant Professor	Department of Bioresources, Kashmir University	2012-2014
4	Coordinator	Kupwara satellite Campus of Kashmir University	2015-2017
5	DIQA Nodal Officer	Department of Bioresources, Kashmir University	2017- 2023
6	Coordinator/Head	Department of Bioresources University of Kashmir	2019- 2024

Professional Information

S. No	Item	No.	Remarks
1	Books Published	14	Elsevier, Springer, CRC, NOVA Biomedical USA, OMICS, etc
2	Book Chapters	36	Elsevier, Springer, Bentham Science, IGI Global, Intech Open
3	Scientific Papers	73	Scientific Reports, Ethnopharmacology, Frontiers Oncology, SJBS, Medical Oncology, Cancer Biomarkers, Medicinal Chemistry, Front in Pharmacology, Cellular oncology, Breast
4	SWAYAM MOOCs	04	MOOC Course 4 Quadrant Complete Development for UG
5	4 Quadrant MOOC	143	Developed 143 SWAYAM MOOC Modules of 4 Quadrant
6	Research Projects	10	04 completed, 03 ongoing & 03 under revision with SERB-DST/DBT
7	Invited Lectures	74	UGC-HRDC-ASC, Scientific events, Universities, PG/UG Colleges
8	M. Sc. Dissertations	36	Master's dissertations supervised 4 credits each for 4 months duration
9	Ph D Scholars	11	07 awarded, 04 enrolled since 2021-22
10	Fellowships	04	TARE-SERB-DST, SRF-INSIA, CSIR-JRF (3 times), CSIR-SRF
11	Int. Travel Grants	05	Keystone USA, Glassgow-UK, UGC-Nanjing China, Kuwait & UAE

MOOC Courses developed for MHRD: As Course Coordinator developed 04 complete MOOC courses IMMUNOLOGY, ENDOCRINOLOGY, HUMAN GENETICS, HUMAN POPULATION GENETICS for MHRD-SWAYAM with 180 Lecture Modules of four Quadrants.

Websites Developed: Databases Developed related to research work:

- Breast cancer awareness Website/Database Link <https://breastcancer.uok.edu.in/Main/Default.aspx>
- Medicinal Plants Database of J&K. Link

<https://bioresources.uok.edu.in/Main/ViewPage.aspx?Page=database&active=lnk7s>

Technology Transfer:

Worked as member of team who developed immunosuppressive drug Cerulomycin-A with Bhatnagar Awardee Prof. Javed Naim Agrewala (Ph. D Supervisor) at CSIR Institute of Microbial Technology (IMTECH). The technology of this drug was finally transferred to American Pharmaceutical Company Nostrom-Pharmaceuticals for \$5 million by IMTECH-CSIR Govt. of India.

Research Impact of Dr Manzoor Ahmad Mir

No. of Publications: 73

No. of Citations: 2372 (RG)/ 2237 (GS)

Cumulative Impact Factor: 367

H-index/i-10 Index: 26/ 64 (GS)

Reads on Research Gate: 2.07 Lacs

EDUCATIONAL QUALIFICATION IN DETAIL

Degree Passed	University/ Board	College/ Institution	Year Passing	Subjects	Marks/ Grade	Grade/ Division	Position/ Distinction
Ph. D	JNU New Delhi	IMTECH- CSIR Chandigarh.	2009	Immunopathology	Grade A	Grade A	First to receive the Ph. D Degree
Pre-Ph. D	JNU New Delhi	IMTECH-CSIR Chandigarh.	2005	Molecular Immunology	8.3/9.0 CPGA	Grade A	Second topper in 2004 Batch
M. Sc.	HNBG Central University	DAV PG College Dehradun UA	2003	Life Sciences (CSIR-JRF-NET)	798/1200	First	Topper in DAV PG College HNBGU
B. Sc.	University of Kashmir Hazratbal Srinagar	Govt. Degree College Bemina Srinagar	2000	Biosciences (Zoology, Botany Chemistry, English)	1061/1800	First	—
PGDHE	IGNOU	Govt. College of Education Srinagar	2011	Higher Education Management 1-4	Grade A	Grade A	Topper in Batch Of 2010

Refresher and Orientation Courses completed

S.No	Name of training course	Year and time period	Place of training course	Grade
1	Orientation Course	01-02-2011 to 01-03-2011	UGC-HRDC ASC Aligarh Muslim University	A
2	Refresher Course in Research Methodologies	16-01-2012 to 08-02-2012	UGC-HRDC ASC University of Kashmir	A
3	Refresher Course in Bioscience	15-05-2017 to 03-06-2017	UGC-HRDC University of Kashmir	A
4	Refresher Course in Molecular Biology of Cell	23-10-2017 to 06-11-2017	Indian National Science Academy New Delhi	A
5	Workshop on MOOC development	12-06-2019 to 19-06-2019	UGC-HRDC University of Kashmir	A
6	Workshop on ICT Technology in Education	24-11-2019 to 30-11-2019	MHRD and NIEPA New Delhi	A
7	Workshop on Capacity Building Programme For Swayam Course Coordinators	04-11-2019 to 06-11-2019	MHRD NITTTR Chandigarh	A
8	Workshop on Develop, Design and Deliver MOOC Course as a tool for blended learning	09-01-2020 to 14-01-2020	PMMNM GNDU Amritsar	A
9	NEP Orientation & Sensitization Program (MMTP)	03-01-2024 to 12-01-2024	National Institute of Educational Planning and Administration (NIEPA) New Delhi	A
10	Annual Refresher Programme in Teaching (ARPIT)-2020 Leadership And Governance In Higher Education. Level 2	21-05-2020 to 21-08-2020 ARPIT Application No: 2107 1000 0409 (2020)	Ministry of Education Govt of India through National Testing Authority	A

M. Sc 4th Semester Projects/Dissertations Carried out under the supervision of Dr. Manzoor Ahmad Mir in the Cancer Biology Lab, Department of Bioresources, School of Biological Sciences, University of Kashmir, Srinagar					
S. No	Name of the Candidate	Enrolment No.	Reg No. of Candidate	Year of completion	Title of the Project
01	Miss Najwa Shabir	15060119009	61697-W-2012	2018	Quality Analysis of anti-epileptic drugs available in local market using HPLC
02	Mr. Adil Manzoor	15060119005	26240-SJ-2012	2018	Quality Analysis of anti-epileptic drugs available in local market using HPLC
03	Mr Gazie Shaban	15060119018	28238-IC-2010	2018	Quality Analysis of anti-epileptic drugs available in local market using HPLC
04	Miss Daurdana Bano	16060119014	47109-S-2012	2019	Determination of Vancomycin in Pharmaceutical formulations available in local market using HPLC
05	Miss Aqiba Jahan	16060119012	91171-W-2012	2019	Determination of Vancomycin in Pharmaceutical formulations available in local market using HPLC
06	Miss Snober Ali	16060119011	64343-W-2013	2019	Determination of Vancomycin in Pharmaceutical formulations available in local market using HPLC
07	Mr. Umer Showkat Mir	17060119001	41116-SP-2014	2022	Good Dairy Husbandary Practices
08	Miss Shazia Shafi	18060119010	64380-W-2013	2021	Validation of CDKI expressing and its prognostic significance in Breast Cancer using integrated bioinformatics analysis
09	Miss Shariqa Jan	18060119011	61609-W-2012	2021	Elucidation of Prognostic and functional role BIRC5 in Breast Cancer using Bioinformatics analysis
10	Miss Pz Farhana Anjum	18060119008	2689-DRA-2012	2021	Bioinformatics analysis showing prognostic significance of TOP2A in Breast Cancer
11	Mr. Gh. Nabi	18060119002	16728-KC-2014	2021	Ethnobotanical approach for the Management of seasonal respiratory allergenic disorders
12	Miss Iqra Nabi	18060119004	67028-W-2014	2021	Ethnobotanical approach for the Management of seasonal respiratory allergenic disorders
13	Miss Seerat Hussain	18060119005	1475-SC-2015	2021	Ethnobotanical approach for the Management of seasonal respiratory allergenic disorders
14	Miss Saleeqa Yaseen	18060119003	14060-SC-2015	2021	Candida and pathogenesis in human hosts: A systemic Review
15	Miss Ulfat Jan	18060119006	21014-G-2012	2021	Candida and pathogenesis in human hosts: A systemic Review
16	Mr Muhammad Usman	18060119007	12896-SC-2014	2021	Candida and pathogenesis in human hosts: A systemic Review
17	Miss Heena Zehra	19060119018	68634-W-2015	2022	Comprehensive analysis of MAP kinase signalling pathway in Breast Cancer: An integrated In-silico Study
18	Miss Shreen Rashid	19060119016	68561-W-2015	2022	Glucose Metabolism in Breast Cancer :An integrated In-Silico Analysis
19	Miss Aanisa Makhdoomi	19060119003	42255-SP-2015	2022	Fatty Acid Metabolism in Breast Cancer : An integrated In-Silico Analysis
20	Miss Nighat Khaliq	19060119002	68573-W-2015	2022	A comprehensive Bioinformatic Analysis of Notch Pathway in Breast Cancer
21	Mr Mubashir Imtiyaz	19060119004	42254-SP-2015	2022	Phytochemical Screening and Medicinal activity of versatile Medicinal plant <i>Podophyllum hexandrum</i>
22	Miss Aamina Mohiudin	19060119005	35639-BC-2015	2022	Phytochemical Screening and Medicinal activity of versatile Medicinal plant <i>Podophyllum hexandrum</i>
23	Sadaf Aadina	19060119012	14009-SC-2015	2022	Phytochemical Screening and Medicinal activity of versatile Medicinal plant <i>Podophyllum hexandrum</i>
24	Mr Aashiq Hussain war	19060119010	1660-PGD-2019	2022	Covid-19 Pandemic and its impact on patients with cancer
25	Mr. Ziaul Mumin Raina	19060119011	3384-IC-2013	2022	Covid-19 Pandemic and its impact on patients with cancer
26	Miss. Aabida Gul	19060119014	11817-GBL-2015	2022	Covid-19 Pandemic and its impact on patients with cancer
27	Miss Iqra Noor	20060119001	43553-SP-2016	2023	Expression pattern and therapeutic implications of CDK2 in Breast Cancer: An <i>in-silico</i> and <i>in-vitro</i> analysis
28	Miss Masarat Bashir	20060119006	68526-W-2015	2023	Cisplatin targets XIAP and inhibits tumour cell proliferation in breast cancer cells: An <i>in-vitro</i> and <i>in-silico</i> study
29	Miss Mina Rashid	20060119015	36812-BC-2016	2023	TOP2A dysregulation in breast cancer: An integrated bioinformatic and <i>in-vitro</i> analysis
30	Miss Sumaiya Nisar	20060119018	4331-DRA-2015	2023	Expression pattern and therapeutic implications of CDK4 in Breast Cancer: An <i>in-vitro</i> and <i>in-silico</i> analysis
31	Miss Aanisa Ishrat	20060119019	356931-BC-2015	2023	Identification and analysis of deregulated PIK3CA gene in Breast Cancer: An integrated bioinformatic and <i>in-vitro</i> analysis
32	Miss Asma jan	21060119006	32096-NW-2017	2024	Validation of MAPT expression and its functional role in Breast Cancer using <i>in-silico</i> analysis and <i>in-vitro</i> analysis
33	Miss Tabish Javeed	21060119015	2138-PGD-2021	2024	Expression pattern and functional role of ATP5A1 in Breast Cancer using <i>in-silico</i> and <i>in-vitro</i> analysis
34	Miss Fatima Manhas	21060119017	70816-W-2016	2024	Validation of CDK2 expression and its functional role in Breast Cancer using <i>In-silico</i> and <i>In-vitro</i> analysis
35	Miss Nasreen Rashid	21060119023	2139-PGD-2021	2024	Clinicopathological Significance and Expression Pattern of CDK1 in Breast Cancer Using <i>in-silico</i> and <i>in-vitro</i> Analysis
36	Miss Sania Bashir	21060119025	2140-PGD-2021	2024	Exploring SALL4 as a significant prognostic marker in Breast Cancer and its association with Progression Pathways involved in cancer genesis

List of Ph D Students Enrolled/Registered/Completed (2018-2024) with Dr Manzoor Ahmad Mir

S.No.	Name of scholar	Thesis Title	Awarded/Enrolled
01.	Mr Basharat Ah Bhat Ph. D	DNA Fingerprinting, Phytochemical Screening and Cytotoxicity Effects of Some Medicinal Plants of Jammu and Kashmir awarded	2022 (Awarded) Guest Lecturer Govt of J&K
02.	Mr. Umar Mehraj I. Ph. D	Elucidation of the Therapeutic Potential of Combinatorial Approach of Chemotherapeutic Agents in Triple-Negative Breast Cancer	2022 (Awarded) Presently at DUKE University USA
03.	Mr Bashir Ah Sheikh I. Ph. D	Elucidation of Molecular Basis of Drug and Multi-Drug Tuberculosis Resistance of Mycobacterium tuberculosis in Kashmir Valley	2022 (Awarded) Guest Lecturer Govt of J&K
04.	Miss Mehak Majeed I. Ph. D	Studies on phytochemical, antioxidant, antimicrobial and anticancer activities of Viscum album L from different host plants	2023 (Awarded) Assistant Professor Govt of J&K
05.	Miss Hina Qayoom I. Ph. D	Targeting Breast Cancer Using some Natural Compounds as Anti-cancer Therapeutics	2024 (Awarded) (KU-Fellow)
06.	Mr.Wajahat Rashid Mir I. Ph. D	Phytochemical screening and evaluation of biological activities of Delphinium roylei and Geranium wallichianum	2024 (Awarded) Contractual Lecturer Govt of J&K
07.	Miss Hafsa Qadri I. Ph. D	Analysis of Factors Contributing to Drug Resistance in Candida species and Interaction with Human Host	2024 (Awarded) ICMR Fellow
08.	Miss Shazia Shafi I. Ph. D	Combating therapeutic resistance in Triple Negative Breast Cancer using chemotherapeutic agents in combination	2021 (Ongoing) CSIR-SRF
09.	Miss Nusrat Jan I. Ph. D	Targeting Triple-Negative Breast Cancer Using Naturally Occurring Retinoids in Combination	2023 (Ongoing) (GATE, KU-Fellow)
10	Mr. Burhan ul Haq I. Ph. D	Targeting triple negative breast cancer through P53 metabolomic reprogramming	2023 (Ongoing) DST-INSPIRE Fellow
11	Mr. Asif Ali	Unravelling the novel diagnostic biomarkers in Breast Cancer through insilico and invitro methods	2024 (Ongoing) (CSIR-JRF)
12	Mr. Gowhar Nazir	Mechanistic elucidation of drug resistance in TNBC using small molecules	2024 (CSIR-NET, JK-SET)
13	Mr. Aijaz Ahmad	Genetic testing in Triple Negative Breast Cancer using AI and integrated Bioinformatic approaches	2024 (CSIR-NET, GATE)

Memberships:

- American Association of Cancer Research (AACR).
- American Society of Clinical Oncology (ASCO).
- European Society of Medical Oncology (ESMO)
- Fellow of Royal British Society (FRBS).
- International Immunology Association (IIA).
- Immuno-Oncology Society of India (IOSI) **(Life Member)**.
- Indian Cancer Society (ICS). **(Life Member)**.
- Indian Immunology Society **(Life member)**.
- Zoological Society of India **(Life member)**.

Awards, Fellowships & Scholarships at International/National Level

1. Awarded 2nd Prize in Oral Paper Presentation at I-OSCONF-2024 at NCCS Pune.
2. Listed among **Top 2%** globally recognized Scientists of the World by Stanford University 2023.
3. Awarded 2nd Prize (Rs-6000 Cash, Citation and Certificate) at the Indian Immunooncology Society Conference I-OSCONF-2024 at NCCS Pune-2024. January 14th.

4. Awarded Teachers **Summer Research Fellowship Programme (SRFP-2019)** by **Indian Academy of Sciences** for an IASc-INSA-NASI vide No. SRFP-LFT94 (2019) dated; 02- 04-2019
5. Selected as **Associate Professor** in Animal Sciences at School of Life sciences, Central University of Kashmir Ganderbal in 2019.
6. Awarded **Teacher Associate Research Excellence Fellowship** by Science and Engineering Research Board Department of Science and Technology SERB-DST Govt. of India in the year 2018 Vide No. TAR/2018/001213 dated: 05-11-2018
7. Awarded **Faculty Position** (Associate Professor) in Immunology by **College of Medicine, Department of Immunopathology, University of Shaqra, KSA** for the year 2017 (1437) Vide No. 35114/53 Dated: 06-11-1437 (10th August 2016)
8. Awarded **International Travel Grant** by University Grants Commission (UGC) under 12th five-year plan to attend the **14th Annual Congress of International Drug Discovery Science and Technology Nanjing, China** from 16th-19th November 2016 Vide No. F (Deputation MAK) Res/KU/16, Dated: Oct -1st 2016.
9. Received **International Travel Award** from Majmaah University KSA to attend the **European Stroke Research Organization Conference** at International Convention Centre Glasgow UK 2015.
10. Awarded **International Travel Award** to attend **Keystone Symposia at Silverthron, Colorado Springs USA** by Deanship of Research Majmaah University KSA from 9th to 14th February 2014 Vide No. ITA/US/14/MU Dated: 03-01-2014.
11. Awarded **International Travel Grant** by University of Basra to attend the **5th International Conference on Microbiology and Biotechnology at Basrah University** from 2nd to 3rd April 2013 Vide No. F (Deputation/Int.Conf.)Res/KU/2059 Dated: March 30th, 2013.
12. Won **First Prize** in National Level Competition on '**Role of Media in National Integration**' at Academic Staff College, Aligarh Muslim University Aligarh in the year 2011.
13. Won **First Prize** in **UGC sponsored National Seminar on Sustenance of quality in Higher Education Some Initiatives** at Govt. College of Education Srinagar in the year 2011.
14. **Topped the Assistant Professor Selection List in Zoology** published by **Jammu and Kashmir Public Service Commission** on 30-10-2009.
15. Won the **FIRST PRIZE** in **Chandigarh Science Congress CHASCON-2008** at **Post Graduate Institute of Medical Education and Research (PGIMER)** and Punjab University Chandigarh in the year 2008.
16. Awarded Prestigious Senior **Research Fellowship SRF** by **CSIR Govt of India** in year 2006-2007.
17. **Qualified Junior Research Fellow-National Educational Test (JRF-NET)** conducted by UGC-CSIR Govt. of India in year 2005 under **Roll 328164**.
18. **Qualified Junior Research Fellow-National Educational Test (JRF-NET)** conducted by U.G.C-CSIR Govt. of India in year 2004 under **Roll 322899**.
19. **Qualified Junior Research Fellow-National Eligibility Test (JRF-NET)** conducted by UGC-CSIR Govt of India in year 2003 under **Roll 313837**.

1. Publications (List of papers published in SCI Journals, in year wise descending order).

Author(s)	Title	Name of Journal	Volume	Page/Article No.	Year
Mehraj U, Mushtaq U, Manzoor A Mir ,...Wani NA.	Chemokines in triple- negative breast cancer heterogeneity: New challenges for clinical implications	Seminars in Cancer Biology (Elsevier) (Impact Factor-17.012)	86 (Pt 2)	769-783	2022
Nusrat Jan, Shazia Sofi, Adel Abo, Adil Abdelrahim, Manzoor A Mir*	Exploring the role of trifarotene against RAR- α : an investigation of expression pattern and clinicopathological significance of RAR- α in breast cancer	Frontiers in Pharmacology (Impact Factor-5.988)	15		2024
Manzoor A Mir* and Hina Qayoom	Cryptolepine: A naturally derived alkaloid inhibits breast cancer progression by blocking cell cycle progression and inducing apoptosis	Journal of Clinical Oncology An American Society of Clinical Oncology Journal (Impact Factor-42.1)	42	Meeting Abstract: 2024 ASCO Annual Meeting I	2024
Aijaz Ahmad Bhat, Ikhlak Ahmad, Shahabuddin Usmani,..... Manzoor Ahmad Mir* , Sameer Mirza,	SORBS1 expression as a biomarker for obesity and breast cancer prognosis: Insights from genomic analysis and survival outcomes	Journal of Clinical Oncology An American Society of Clinical Oncology Journal (Impact Factor-42.1)	42	Meeting Abstract: 2024 ASCO Annual Meeting I	2024
Burhan Ul Haq, Hina Qayoom, Shazia Sofi, Nusrat Jan, Aisha Shabir, ... Manzoor A Mir*	Targeting p53 Misfolding Conundrum by Stabilizing Agents and their Analogues in Breast Cancer therapy: A comprehensive computational analysis	Frontiers in Pharmacology (Impact Factor-5.988)	14	1333447	2024
Shazia Sofi, Umar MehrajNusrat Jan, Manzoor A Mir*	Clinicopathological significance and expression pattern of Bcl2 in Breast Cancer: A comprehensive <i>in silico and in vitro</i> study	Saudi Journal of Biological Sciences, (Elsevier) (Impact Factor-4.052)	31	103916	2024
Aisha Shabir, Hina Qayoom, Burhan Ul Haq, Fuzail Ahmad and Manzoor Ahmad Mir*	Exploring HMMR as a therapeutic frontier in breast cancer treatment, its interaction with various cell cycle genes and targeting its overexpression, through specific inhibitors.	Frontiers in Pharmacology (Pharmacology of Anti-Cancer Drugs) (Impact Factor-5.988)	15	1361679	2024
Nusrat Jan, Shazia Sofi, Hina Qayoom, Aisha Shabir, Manzoor A Mir*	Metronomic Chemotherapy and Drug Repurposing: A paradigm Shift in Oncology	Heliyon (Cell Press) (Impact Factor- 3.776)	10 (3)	e24670	2024
Basharat Ahmad Bhat, Wajahat Rashid Mir,... Manzoor A Mir*	Network pharmacology and experimental validation for deciphering the action mechanism of Fritillaria cirrhosa D. Don constituents in suppressing breast carcinoma	Journal of Biomolecular Structure and Dynamics (Taylor & Francis) (Impact Factor-5.235)	10	1-21	2023
Hina Qayoom, Burhan Ul Haq,., Manzoor A Mir*	Decoding the molecular mechanism of stypoldione against breast cancer through network pharmacology and experimental validation	Saudi Journal of Biological Sciences, (Elsevier) (Impact Factor-4.052)	30(12)	103848	2023
Hina Qayoom, Shazia Sofi & Manzoor A. Mir*	Targeting tumor microenvironment using tumor-infiltrating lymphocytes as therapeutics against tumorigenesis	Immunologic Research (Springer Link) (Impact Factor-4.423)	71	588-599	2023
Jan, N., Qayoom H,.... Manzoor A Mir*	Elucidation of Interleukin-19 as a therapeutic target for breast cancer by computational analysis and experimental validation.	Saudi Journal of Biological Sciences (Elsevier) (Impact Factor-4.052)	30(9)	103774	2023
Nusrat Jan, Shazia Sofi, ... Manzoor A Mir*	Targeting breast cancer stem cells through retinoids: A new hope for treatment	Critical Reviews in Oncology/Haematology (Elsevier) (Impact Factor-6.625)	192	104156	2023

Mir, W. R,... Manzoor A Mir*	Network pharmacology combined with molecular docking and in vitro verification reveals the therapeutic potential of Delphinium roylei munz constituents on breast carcinoma.	Frontiers in Pharmacology (Impact Factor-5.988)	14	1135898	2023
Qayoom, H., Alkhanani, M,... Manzoor A Mir*	Mechanistic elucidation of Juglanthraquinone C targeting breast Cancer: A network Pharmacology-based investigation.	Saudi Journal of Biological Sciences (Elsevier) (Impact Factor-4.052)	30(7)	103705	2023
Qayoom, H., Alkhanani,... Manzoor A Mir*	A network pharmacology-based investigation of brugine reveals its multi-target molecular mechanism against Breast Cancer	Medical Oncology (Springer-Nature) (Impact Factor-3.738)	40(7)	202	2023
Khalid Bashir Dar, Manzoor A Mir et. al.	Immunomodulatory Efficacy of Cousinia Thomsonii C.B. Clarke in Ameliorating iNOS, COX-2, PPAR- γ , Rel-A, and CRP Expression and Molecular Docking Analysis	Journal of Ethnopharmacology (Elsevier) (Impact Factor-4.364)	300	115727	2023
M. Nadeem Lone, Shazia Gul, ... Manzoor A Mir*	Synthesis and Biological Evaluation of Novel Uracil Derivatives as Thymidylate Synthase Inhibitors	Applied Biochemistry and Biotechnology (Springer-Nature) (Impact Factor-3.094)	195(10)	6212-6231	2023
Aadil A. A, Manzoor A, Mir , Abdul H Shah*, Aijaz A. Dar*	Physicochemical and Anti-fungal Studies of the Pharmaceutical Co-crystal/Salt of Fluconazole	Molecular Pharmaceutics (ACS Publications) (Impact Factor-5.364)	20(7)	3471-3483	2023
Umar Mehraj, Irfan A Mir,... Manzoor A Mir*	Adapalene and doxorubicin synergistically promote apoptosis of TNBC Cells by hyperactivation of the ERK1/2 pathway through ROS induction	Frontiers in Oncology (Impact Factor-6.244)	12	938052	2022
Umar Mehraj, Nissar A Wani, ... Manzoor A Mir*	Adapalene inhibits the growth of triple-negative breast cancer cells by S- phase arrest and potentiates the antitumor efficacy of GDC- 0941	Frontiers in Pharmacology (Impact Factor-5.988)	13	958443	2022
Hina Qayoom, Umar Mehraj,... Manzoor A Mir*	Expression patterns and therapeutic implications of CDK4 across multiple carcinomas: a molecular docking and MD simulation study	Medical Oncology (Springer-Nature) (Impact Factor-3.738)	39(10)	158	2022
Umar Mehraj, Bader Alshehri,... Manzoor A Mir*	Expression Pattern and Prognostic Significance of Chemokines in Breast cancer: An Integrated Bioinformatics Analysis	Clinical Breast cancer (Elsevier) (Impact Factor-3.128)	22(6)	567-578	2022
Mehraj Umar, Qayoom Hina, ... Manzoor A Mir*	Cryptolepine Targets TOP2A and Inhibits Tumor Cell Proliferation in Breast Cancer Cells - An in vitro and in silico Study	Anti-Cancer Agents in Medicinal Chemistry (Impact Factor-2.473)	22(17)	3025-3037	2022
Bhat BA, Mir WR,... Manzoor A Mir*	In vitro and in silico evaluation of antimicrobial properties of Delphinium cashmerianum L., a medicinal herb growing in Kashmir, India.	Journal of Ethnopharmacology (Elsevier) (Impact Factor-4.364)	291	115046	2022
Umar Mehraj, Shazia sofi,... Manzoor A Mir*	Expression Pattern and Prognostic significance of CDKs in Breast Cancer: An Integrated Bioinformatic Study.	Cancer Biomarkers IOS-Press Netherlands (Impact Factor-3.828)	34(3)	505-519	2022
Wajahat R Mir, Basharat A Bhat,... Manzoor A Mir*	Molecular docking analysis and evaluation of the antimicrobial properties of the constituents of Geranium wallichianum D. Don ex Sweet from Kashmir Himalaya	Scientific Reports (Springer Nature) (Impact Factor-4.663)	12	12547	2022
Shazia Sofi, Umar Mehraj, ... Manzoor A Mir*	Cyclin-Dependent Kinases in Breast Cancer: Expression Pattern and Therapeutic Implications	Medical Oncology (Springer Nature) (Impact Factor-3.738)	39(6)	106	2022

Suliman A., Manzoor A Mir et. al.	In silico investigations identified Butyl Xanalterate to competently target CK2 α (CSNK2A1) for therapy of chronic lymphocytic leukemia	Scientific Reports (Springer Nature) (Impact Factor-4.663)	12	17648	2022
Shazia Sofi, Umar Mehraj, ... Manzoor A Mir*	Targeting Cyclin-dependent kinase 1 (CDK1) in Cancer: Molecular Docking and Dynamic Simulations of potential CDK1 Inhibitors	Medical Oncology (Springer-Nature) (Impact Factor-3.738)	39(9)	133	2022
Mehraj U, Aisha S, ... Manzoor A Mir*	Expression pattern and prognostic significance of baculoviral inhibitor of apoptosis repeat- containing 5 (BIRC5) in breast cancer: A comprehensive analysis.	Advances in Cancer Biology- Metastasis (Elsevier) (Cite Score-1.8)	4	100037	2022
Umar Yousuf, Shazia Sofi, ... Manzoor A Mir*	Identification and analysis of dysregulated fatty acid metabolism genes in breast cancer subtypes	Medical Oncology (Springer Nature) (Impact Factor-3.738)	39	256	2022
Mohd Zahoor ul haq Shah, Manzoor A Mir et. al.	Gallic acid reverses ovarian disturbances in mice with Letrozole-Induced PCOS via modulating Adipo R1 expression	Toxicology Reports (Elsevier) (Impact Factor-3.952)	9	1938-1949	2022
Mohd Zahoor ul Haq Shah, Vinoy Kumar Shrivastava, ... Manzoor A Mir*	Chlorogenic Acid Restores Ovarian Functions in Mice with Letrozole-Induced Polycystic Ovarian Syndrome Via Modulation of Adiponectin Receptor	Biomedicines (Impact Factor-4.757)	11(3)	900	2023
Basharat Ahmad Bhat, Rakeeb A Mir, ... Manzoor A Mir*	Integrins in the development of antimicrobial resistance: critical review and perspectives	Frontiers in Microbiology (Impact Factor-6.064)	14	1231938	2023
Hafsa Qadri, Abdul Haseeb*, ... Manzoor A Mir	Quinidine Drug Resistance transporter Knockout Candida cells modulate glucose transporter expression and accumulate metabolites leading to enhanced azole drug resistance	Fungal Genetics and Biology (Elsevier) (Impact Factor-3.883)	161	103713	2022
Manzoor A Mir* , Bilkees Mir, et. al.	Manipulation and exploitation of host immune system by pathogenic Mycobacterium tuberculosis for its advantage	Future Microbiology (Future Medicine) (Impact Factor-3.553)	17	1171-1198	2022
Mohd Zahoor ul haq Shah* Vinoy kumar Shrivastva, Manzoor A Mir et. al.	Effect of quercetin on steroidogenesis and folliculogenesis in ovary of mice with experimentally-induced polycystic ovarian syndrome	Frontiers in Endocrinology (Impact Factor-5.234)	14	1153289	2023
Basharat A Bhat, Abdullah Almilaibary, ... Manzoor A Mir*	Natural therapeutics in aid of treating Alzheimer's disease (AD): A green gateway towards ending the quest for treating neurological disorders	Frontiers in Neuroscience (Impact Factor-4.253)	16	884345	2022
Basharat A Bhat, Wajahat R Mir, ... Bashir A Sheikh, Mustafa Al & Manzoor A Mir*	Metabolite fingerprinting of phytoconstituents from Fritillaria cirrhosa D. Donand molecular docking analysis of bioactive peonidin with microbial drug target proteins	Scientific Reports (Nature Springer) (Impact Factor-4.663)	12(1)	7296	2022
Wajahat Rashid Mir, Basharat Ahmad Bhat, ... Manzoor A Mir*	Evaluation of the In Vitro Antimicrobial Activities of Delphinium roylei: An Insight from Molecular Docking and MD-Simulation Studies	Medicinal chemistry (Bentham Science) (Impact Factor-2.434)	18(10)	1109-1121	2022
Mohd Zahoor ul haq Shah... Manzoor A Mir et. al.	Role of diacerein on steroidogenesis and folliculogenesis related genes in ovary of letrozole-induced PCOS mice	Chemico-Biological Interactions (Elsevier) (Impact Factor-5.192)	377	110468	2023
Mohd Zahoor ul haq Shah, Vinoy S ... Manzoor A Mir*	Metformin treatment ameliorates endocrine- metabolic disturbances in the letrozole-induced PCOS mice model by modulating adiponectin status	Obesity Medicine (Elsevier) (Cite Score-4.5)	31	100392	2022
Suliman A.	In silico investigations identified Butyl	Scientific Reports	12	17648	2022

Alsagaby, Danish Iqbal,..... Manzoor A Mir*	Xanalterate to competently target CK2 α (CSNK2A1) for therapy of chronic lymphocytic leukemia	(Springer Nature) (Impact Factor-4.663)			
Hafsa Qadri, Abdul Haseeb Shah,... Manzoor A Mir*	Immunotherapies against human bacterial and fungal infectious diseases: A review	Frontiers in Medicine (Impact Factor-3.978)	10	1135541	2023
Bashir A Sheikh, Manzoor A Mir*	Strategies employed to evade the host immune response and the mechanism of drug resistance in Mycobacterium tuberculosis: In search of finding new targets	Current Pharmaceutical Biotechnology (Bentham Science) (Impact Factor-3.978)	23(14)	1704-1720	2022
Bashir Ahmad Sheikh, Basharat Ahmad Bhat & Manzoor A Mir*	Antimicrobial resistance: new insights and therapeutic implications	Applied Microbiology and Biotechnology (Springer Nature) (Impact Factor-5.562)	106(19-20)	6427-6440	2022
Bashir A. Sheikh, Basharat A. Bhat, ... Manzoor A Mir*	Nano-Drug Delivery Systems: Possible End to the Rising Threats of Tuberculosis	Journal of Biomedical Nanotechnology American Scientific Publishers (Impact Factor-2.973)	17(12)	2298-2318	2021
Hina Qayoom, Nissar A Wani, Bader Alshehri & Manzoor A Mir*	An insight into the cancer stem cell survival pathways involved in chemoresistance in triple- negative breast cancer	Future Oncology (Future Medicine Group) (Impact Factor-3.674)	17(31)	4185-4206	2021
Umar M, Rais A, Manzoor A Mir* & Nissar A Wani*	The tumor microenvironment as driver of stemness and therapeutic resistance in breast cancer: New challenges and therapeutic opportunities	Cellular Oncology (Springer Nature) (Impact Factor-6.679)	44(6)	1209-1229	2021
Umar Mehraj, Hina Qayoom & Manzoor A Mir*	Prognostic significance and targeting tumor- associated macrophages in cancer: new insights and future perspectives	Breast Cancer (Springer Nature) (Impact Factor-4.024)	48	101408	2021
Umar Mehraj, Abid Hamid Dar, Nissar A. Wani & Manzoor A Mir*	Tumor microenvironment promotes breast cancer chemoresistance	Cancer Chemotherapy and Pharmacology (Springer Nature) (Impact Factor-3.288)	87(2)	147-158	2021
Manzoor A Mir* , Hina Qayoom, ..., Nissar A. Wani	Targeting Different Pathways Using Novel Combination Therapy in Triple Negative Breast Cancer	Current Cancer Drug Targets (Bentham Science) (Impact Factor-2.907)	20(8)	586-602.	2021
Hafsa Qadri, Abdul H. Shah, Manzoor A Mir*	Novel Strategies to Combat the Emerging Drug Resistance in Human Pathogenic Microbes	Current Drug Targets (Bentham Science) (Impact Factor-3.234)	22(12)	1424-1436	2021
Bashir A. Sheikh, Basharat A. Bhat, Manzoor A Mir*	Development of New Therapeutics to Meet the Current Challenge of Drug Resistant Tuberculosis	Current Pharmaceutical Biotechnology (Bentham Science) (Impact Factor-2.829)	22(4)	480-500	2021
Mahak Majeed, Tanveer B Pirzadah, Manzoor A Mir et.al.	Comparative Study on Phytochemical Profile and Antioxidant Activity of an Epiphyte, Viscum album L. (White Berry Mistletoe), Derived from Different Host Trees	Plants (Impact Factor-4.658)	10(6)	1191	2021
Hafsa Qadria, Munazah F Qureshi, Manzoor A Mir* , Abdul H Shah*	Glucose - The X factor for the survival of human fungal pathogens and disease progression in the host	Microbiological Research (Elsevier) (Impact Factor-6.763)	247	126725	2021
Manzoor A Mir* , Umar Mehraj, Bashir A. Sheikh	Recent Advances in Chemotherapeutic Implications of Deguelin: A Plant-Derived Retinoid	The Natural Products Journal (Bentham Science) (Impact Factor-0.842)	11 (2)	169-181	2021
Manzoor A Mir* , Umar Mehraj, Bashir A Sheikh, Syed S Hamadani	Nanobodies: The “Magic Bullets” in therapeutics, drug delivery and diagnostics	Human Antibodies (IOS Press The Netherlands) (Impact Score-1.542)	28(1)	29-51	2020

Manzoor A Mir* , Syed S. Hamdani, Bashir A. Sheikh, Umar Mehraj	Recent Advances in Metabolites from Medicinal Plants in Cancer Prevention and Treatment	Current Immunology Reviews (Bentham Science)	15	185-201	2019
Manzoor A Mir* , Umar Mehraj	Double-crosser of the Immune System: Macrophages in Tumor Progression and Metastasis	Current Immunology Reviews (Bentham Science)	15	172-184	2019
Manzoor A Mir* , Najwa Shabir, Umar Mehraj, Mohd Younis Rather and Samina Farhat	Study on quality control analysis of anti-epileptic drugs using HPLC	International Journal of Pharmaceutical Investigation (Wolters Kluwer-MedKnow)	8	115-21	2018
Manzoor A Mir* and Raid S Albaradie	Immunomodulation of Inflammatory Markers in Activated Macrophages by Leaf Extracts of Gingko Biloba	Advances in Neuroimmune Biology (IOS Press)	6	9-17	2015
Samra Hafeez, Mahwish Urooj, , Manzoor A Mir et.al.	BAD, a Proapoptotic Protein, Escapes ERK/RSK Phosphorylation in Deguelin and siRNA- Treated HeLa Cells	PLOS ONE	11(1)	e0145780	2015
Marta Mila, Marina Garriga, Manzoor A Mir et.al.	¹²³ I-FP-CIT SPECT imaging, clinical diagnosis of common types of dementia and contribution of ischemia to brain damage	Frontiers in Systems Neuroscience	9	99	2015
Manzoor A Mir* and Raid S Albaradie	Inflammatory Mechanisms as Potential Therapeutic Targets in Stroke	Advances in Neuroimmune Biology (IOS Press)	5	199-216	2014
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Manzoor A Mir* and Raid S Albaradie	Tuberculosis time bomb a global emergency: urgent need for alternative vaccines.	Majmaah Journal of Health Sciences	1	77-82	2013
Manzoor A Mir* and Raid S Albaradie	Hypersensitive allergic reactions are caused by Pollen abundantly found in air during the spring and autumn seasons	International Journal of Pure and Applied Biosciences	1(3)	68-80	2013
Manzoor A Mir and Javed N. Agrewala	Signaling through CD80: an approach for treating lymphomas	Expert Opinion in Therapeutic Targets (Taylor & Francis)	12(8)	969-79	2008
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2. Books/Reports/Chapters/General articles etc.

S.N.	Title	Author's Name	Publisher	Year of Pub.
1	Novel Approaches in Metronomic Chemotherapy for Breast Cancer Treatment. ISBN: 9781032620459, Pp: 1-208 https://www.routledge.com/Novel-Approaches-in-Metronomic-Chemotherapy-for-Breast-Cancer-Treatment/Mir/p/book/9781032620459	Manzoor A Mir (Single Author)	Taylor & Francis Group CRC Press	2024
2	Cytokine and Chemokine Networks in Cancer. ISBN: 978-981-99-4657-0, Pp: 1-440 https://link.springer.com/book/10.1007/978-981-99-4657-0 https://doi.org/10.1007/978-981-99-4657-0	Manzoor A Mir (Single Author)	Springer-Nature Singapore	2023
3	Therapeutic potential of Cell Cycle Kinases in Breast Cancer. ISBN: 978-981-19-8911-7, Pp: 1-373 https://link.springer.com/book/10.1007/978-981-19-8911-7 https://doi.org/10.1007/978-981-19-8911-7	Manzoor A Mir (Single Author)	Springer-Nature Singapore	2023
4	Role of tumor microenvironment in breast cancer and targeted Therapies. ISBN: 978-0-443-18696-7, Pp: 1-282 https://www.sciencedirect.com/book/9780443186967/role-of-tumor-microenvironment-in-breast-cancer-and-targeted-therapies?via=ihub= https://doi.org/10.1016/C2022-0-00074-X	Manzoor A Mir (Single Author)	Elsevier Science Publishers	2022
5	Combinational Therapy in Triple Negative Breast Cancer. ISBN: 978-0-323-96136-3 https://www.sciencedirect.com/book/9780323961363/combinational-therapy-in-triple-negative-breast-cancer#book-description https://doi.org/10.1016/C2021-0-02565-7	Manzoor A Mir (Single Author)	Elsevier Science Publishers	2022

5	Combination Therapies and their Effectiveness in Breast Cancer Treatment. ISBN: 978-1-68507-195-0 https://novapublishers.com/shop/combination-therapies-and-their-effectiveness-in-breast-cancer-treatment/ https://doi.org/10.52305/WXJL6770	Manzoor A Mir (Single Author)	Nova Biomedical USA	2021
7	Cytokines and their Therapeutic potential. ISBN: 978-1-53617-017-7 https://novapublishers.com/shop/cytokines-and-their-therapeutic-potential/ https://doi.org/10.52305/RDUL1056	Manzoor A Mir (Single Author)	Nova Science Publishers	2020
8	Plant Metabolites in Treatment of Cancer and Cerebrovascular Diseases. ISBN: 978-1-63278-073-7 https://www.researchgate.net/publication/348554259_Plant_Metabolites_in_Treatment_of_Cancer_and_Cerebrovascular_Diseases 10.4172/978-1-63278-073-7	Manzoor A Mir and Umar Mehraj	Omics International	2019
9	Natural Medicine for Cerebrovascular Diseases. ISBN: 978-93-85497-940 https://www.researchgate.net/publication/348553981_Natural_Medicine_In_Cerebrovascular_Diseases	Manzoor A Mir, Umar Mehraj,	Ariana Publishers	2018
10	Role of Natural Herbs in Stroke Prevention and Treatment. ISBN: 978-1-63483-555-8 https://novapublishers.com/shop/role-of-natural-herbs-in-stroke-prevention-and-treatment/	Manzoor A Mir (Single Author)	Nova Science Publishers USA	2016
11	Developing Costimulatory Molecules for Immunotherapy of Diseases. ISBN:978-0-12-802585-7 https://www.sciencedirect.com/book/9780128025857/developing-costimulatory-molecules-for-immunotherapy-of-diseases?via=ihub= https://doi.org/10.1016/C2014-0-02898-5	Manzoor A Mir (Single Author)	Elsevier Publishers USA	2015
12	Recent Advances in Stroke Therapeutics. ISBN: 978-1-63117-754-5 https://novapublishers.com/shop/recent-advances-in-stroke-therapeutics/	Manzoor A Mir, Raid S Albaradie, Malik Alhusanwi	Nova Biomedical Publishers New York	2014
13	Costimulation Immunotherapy for Autoimmunity, Transplantation and Lymphomas ISBN: 978-1-62808-519-8 https://novapublishers.com/shop/costimulation-immunotherapy-for-autoimmunity-transplantation-and-lymphomas/#:~:text=Considering%20the%20importance%20of%20costimulation,represents%20a%20potential%20therapeutic%20approach.	Manzoor A Mir, Raid S Albaradie Abdul R Alharbi	Nova Science Publishers USA	2013
14	Polyphenols in Human Health ISBN: 1604563494(O) 9781604563498 (P) https://www.researchgate.net/publication/274511398_Polyphenols_and_health_New_and_recent_advances	Manzoor A Mir and Javed N Agrewala	Nova Science Publishers USA	2008
15	Human pathogenic microbes: diseases and concerns. ISBN:978-0-323-96127-1 https://www.sciencedirect.com/book/9780323961271/human-pathogenic-microbes#book-info https://doi.org/10.1016/C2021-0-02174-X	Manzoor A Mir	Elsevier Science Publishers	2022

Department of Bioresources, School of Biological Sciences,
University of Kashmir,

Departmental Web Link:

<http://bioresources.uok.edu.in/Main/ViewPage.aspx?Page=101>

Profile Links

ORCID: <https://orcid.org/0000-0003-3297-1402>

ResearchGate: <https://www.researchgate.net/profile/Manzoor-Mir>

Vidwan ID: <https://vidwan.inflibnet.ac.in/profile/171296>

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=56492382100>

Google Scholar ID: <https://scholar.google.com/citations?user=vPREzKEAAAJ&hl=en&authuser=2>

Research ID: <https://publons.com/researcher/1820790/dr-manzoor-a-mir/>

Microsoft ID: <https://academic.microsoft.com/profile/9j2ih61g-176i-48h9-e097-6ie011f28e7i>

Facebook ID: <https://www.facebook.com/drmanzoor.mir/>

Twitter ID: <https://twitter.com/drmirmanzoor?lang=en>

Linked In ID: <https://www.linkedin.com/in/dr-manzoor-mir-2689686a/>