

University of Kashmir HAZRATBAL, SRINAGAR 190006, J&K (INDIA)

No. F(Ms) Dis/B-16) BRES KU 18

Dated: 20-10-2018

# Certificate

This is to certify that the project entitled "Determination of vancomycin in pharmaceutical formation available in local market using HPLC" is the work carried out by Snober Ali, Aqiba Jahan and Daurdana Banoo a regular Masters (M.Sc.) students of Department of Bioresources, School of Biological science, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department Bioresorces, University of Kashmir. The candidates have fulfilled all the requirements and formalities as required under the status of the University for the submission of project work. The work is genuine to the best of our knowledge.

(Supervistor Departmentive Bloresources University of Kashmir, Srinagar

Prof. (Dr) Samina Farba

(Head)

Department of Pharmacology Govt. Medical College Srinagar Dr. Mohd Younis Rather

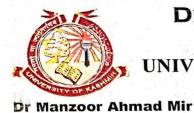
(Co-supervisor)

Department of Pharmacology Govt. Medical College Srinagar

Prof. Inavatullah Tal

(Coordinator)

Department of Bioresources University of Kashmir



# **School of Biological Sciences**

UNIVERSITY OF KASHMIR, SRINAGAR-190006

**NAAC Accredited Grade A\* University** 

(Coordinator/Head)

No.: MSBR - PW-2018-B/08/21.
Dated: 30-03-21

### **CERTIFICATE**

This is to certify that the project entitled "Bioinformatic analysis showing prognostic significance of TOP2A in Breast Cancer" is the work carried out by PZD Farhana Anjum, a regular Masters (M.Sc.) student of Department of Bioresources, University, Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Mankoo Almad Mir

Supervisor

Department of Bioresources

University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir

hmad Mir

Coordinator/Head

Department of Bioresources

University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR Co-ordinator/Head Deptt. of Bioresources University of Kashmir



# **Department of Bioresources**

Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2018-8/11/21

Date:30 03 2021

# Certificate

This is to certify that the project entitled "Elucidation of prognostic and functional role of BIRC5 in breast cancer using Bioinformatics analysis" is the work carried out by Shariqa Jan, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Dr. Manzoor Ahmad Mir M.Sc. CSIR-JRF-NET (PART) ent of Bioresources Sr. ASSISTANT PROURISESTRY of Kashmir, Srinagar Department of Bioresources University of Kashmir

Head/Cordinator
Department of Bioresources
School of Biological Science



Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: M3BR-PN-2018-8/10/21

Date: 30/03/2021

### Certificate

This is to certify that the project entitled "Validation of CDK1 expression and its prognostic significance in Breast Caner using integrated bioinformatics analysis" is the work carried out by Shaziashafi, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Minzoor Ahmad Mir (Supervisor)

Dr. Manzoor Department of Bioresources
M.Sc, CSIR-University of Washmir, Srinagar
Sr. ASSISTANT PROFESSOR
Department of Bioresources
University of Kashmir





**School of Biological Sciences** 

#### **UNIVERSITY OF KASHMIR, SRINAGAR-190006**

NAAC Accredited Grade A+ University

No.: MSBR-PW-2019-B/03/21

Date: 30-11-2021

#### Certificate

This is to certify that the project entitled "Fatty Acid Metabolism In Breast Cancer:A Comprehensive In-Silico Study" is the work carried out by Aanisa Makhdoomi, a regular Masters (M.Sc.) Student of Department of Bioresources, University of Kashmir. This work has been carried under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the submission of project work.

Dr. Manzoor Ahmad Mir

**Department of Bioresources** 

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir

Dr. Manzoor Ahmad Mir

Department of Biographics ad Dr. MANZO MIR Co-ordinator/Head Deptt. of Bioresources University of Kashmir



# **School of Biological Sciences**





Dr Manzoor Ahmad Mir

(Coordinator/Head)

NAAC Accredited Grade A\* University

No: MSBR-PW-2019B/18/21

Dated: 30/11/2021

#### CERTIFICATE

This is to certify that the project entitled "Comprehensive Analysis of MAP Kinase signaling pathway in Breast Cancer: An integrated in silico analysis" is the work carried out by HEENA ZAHRA, a regular Masters student of department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Miro MIR Department of Richesburgees
University of Kashrift Continuersity of Washrift Continuersity of Wa Dr. Manzoor Ahmad Mir

Department of his resource Co-ordination/Heade Deptt. of Bioresources University University of Kashmir



Faculty of Biological Sciences

# UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2020-B/01/23 Date: 25-03-2023

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# Certificate

This is to certify that the project entitled "Expression pattern and therapeutic implications of CDK2 in Breast Cancer: An in-silico and in-vitro analysis" is the work carried out by Iqra Noor, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor

Nuinersity of Kosamuic Department of B University of

Dr. Manzoor Ahmad Mir (cordinator)

Department of Bioresources University of Kashmir, Srinagalurces University of Kashmir, Srinagar



**Faculty of Biological Sciences** 

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR- PW-2020-B/06/23

Date: 25-03-2023

### **Certificate**

This is to certify that the project entitled "Cisplatin targets XIAP and inhibits tumour cell proliferation in breast cancer cells: An In-vitro and In-silico study" is the work carried out by Masarat Bashir, a regular Masters (M.Sc.) student of the Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

Department of River esources

Dr. Manzoor Ahmad Mir

Coordinator)

Department of Bio-resources

University of Kashmir, Srinagar



Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

Bioresources

Ity of Biological Sciences

ERSITY OF KASHMIR

SRINAGAR 190006, J&K

No: MSBR - PW - 2020 - B | 15 | 23 |

Date: 25 - 03 - 2023

### Certificate

This is to certify that the project entitled "TOP2A dysregulation in breast cancer; An integrated bioinformatic and In-vitro Analysis" is the work carried out by Mina Rashid a regular Masters (M.Sc.) student of Department of Bio resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

(Supervisor)

Department of Bio

University of Kashmir Ouniversity of Kashmir University

Department of Bio resources University of Kashmir

Dr. Manzoor Ahmad Mir

University of

### DEPARTMENT OF BIORESOURCES University of Kashmir-Hazratbal Srinagar, J&K - 190006

## CERTIFICATE

This is to certify that the project entitled "Expression patterns and therapeutic implications of CDK4 in Breast Cancer: An In-vitro and In-silico Analysis" is the work carried out by Mr. / Ms. Sumaiya Nisar, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

(Signature of

De Manzoor Ahmad Mir

University of Kashmir



## Department of Bioresources School of Biological Sciences UNIVERSITY OF KASHMIR HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2020-B/19/23
Date: 25-03-2023

# Certificate

This is to certify that the project entitled "Identification and Analysis of Dysregulated PIK3CA Gene in Breast Cancer: An Integrated Bioinformatic and Invitro Analysis" is the work carried out by AANISA ISHRAT, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir MR

Department at Blonesourcess University of Washmin Srinagar Deptt. Dr. Manzoor Ahmad Mir

(Cordinator)

Department of Bioresources University of Kashmir, Srinagar



Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

#### Certificate

This is to certify that the project entitled "Validation of MAPT Expression and its Functional Role in Breast Cancer using In-silico and In-vitro Analysis" is the work carried out by Asma jan, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. Miss Asma jan has demonstrated exemplary dedication and scholarly prowess in researching and presenting this project. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Department of Bioresources University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR OSIR-JRF-NET, Ph.D) att. of Bioresources versity of Kashmir

Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bioresources

University of Kashmir, Srinagar

Department of Bioresources Head/Cordinator School of Biological Sciences University of Kashmir





Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2021-B/15/23

Date: 26/12/2023

#### Certificate

This is to certify that the project entitled "Expression Pattern and Functional Role of ATP5A1 in Breast Cancer using In-silico and In-vitro Analysis" is the work carried out by Tabish javeed, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Department of Bio-resources

University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) (Deptt. of Bioresources University of Kashmir Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bio-resources

University of Kashmir, Srinagar



Department of Bio-resources
Faculty of Biological Sciences
UNIVERSITY OF KASHMIR
HAZARATBAL,
SRINAGAR 190006, J&K

No: MSBR-PW-2021-B/17/23

Date: 26/12/2023

### Certificate

This is to certify that the project entitled "Validation of CDK2 expression and its functional role in Breast Cancer using In-silico and In-vitro Analysis "is the work carried out by Fatima Manhas, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Department of Bio-resources
University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bio-resources University of Kashmir, Srinagar



**Faculty of Biological Sciences** 

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: M5BR-PW-2021-B/23/23

Date: 26/12/2023

### Certificate

This is to certify that the project entitled "Clinicopathological Significance and Expression Pattern of CDK1 in Breast Cancer Using In-Silico and In-Vitro Analysis" is the work carried out by Nasreen Rashid, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Department of Bio-resources University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR

ICSIRNZOOR AHMAD MIR

Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bio-resources

University of Kashmir, Srinagar



### **School of Biological Sciences** UNIVERSITY OF KASHMIR, SRINAGAR-190006





Dr Manzoor Ahmad Mir (Coordinator/Head)



No.: Dated:

### **CERTIFICATE**

This is to certify that the project entitled "Exploring SALL4 as a significant prognostic marker in Breast Cancer and its association with Progression Pathways involved in cancer genesis" is the work carried out by Sania Bashir, a regular Masters (M.Sc.) student of Department of Bioresources, University, Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

**M**mad Mir

(Supervisor)

**Department of Bioresources** 

University of Kashmiry Rinagar

Or. MANZOOR AHMAND)

Or. MANZOOR AHMAND)

Or. MANZOOR AHMAND)

Or. MANZOOR AHMAND)

Or. MANZOOR AHMAND) (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir

Dr. Manzoor Ahmad Mir

(Coordinator)

**Department of Bioresources** 

University of Kashmir, Srinagar

Department of Bioresources University of Kashmir, Shinegar



University of Kashmir HAZRATBAL, SRINAGAR 190006, J&K (INDIA)

No. f (MIS) DIS/B-16) BRES | KU | 18

Dated: 20-10-2018

# Certificate

This is to certify that the project entitled "Determination of vancomycin in pharmaceutical formation available in local market using HPLC" is the work carried out by Snober Ali, Aqiba Jahan and Daurdana Banoo a regular Masters (M.Sc.) students of Department of Bioresources, School of Biological science, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department Bioresorces, University of Kashmir. The candidates have fulfilled all the requirements and formalities as required under the status of the University for the submission of project work. The work is genuine to the best of our knowledge.

Dr. MANZOOR AHMAD MIT Dr. MANZOOR AHMAD MIT Dr. Mangal Mass (Supervisor) Bioresources (Supervisor) Bioresources University of Kashmir, Srinagar

Prof. (Dr) Samina Farbat

(Head)

Department of Pharmacology Govt. Medical College Srinagar Dr. Mohd Younis Rather

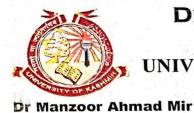
(Co-supervisor)

Department of Pharmacology Govt. Medical College Srinagar

Prof. Inayatullah Tahir

(Coordinator)

Department of Bioresources University of Kashmir



# **School of Biological Sciences**

UNIVERSITY OF KASHMIR, SRINAGAR-190006

**NAAC Accredited Grade A\* University** 

(Coordinator/Head)

No.: MSBR - PW-2018-B/08/21.
Dated: 30-03-21

### **CERTIFICATE**

This is to certify that the project entitled "Bioinformatic analysis showing prognostic significance of TOP2A in Breast Cancer" is the work carried out by PZD Farhana Anjum, a regular Masters (M.Sc.) student of Department of Bioresources, University, Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Mankoo Almad Mir

Supervisor

Department of Bioresources

University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir

hmad Mir

Coordinator/Head

Department of Bioresources

University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR Co-ordinator/Head Deptt. of Bioresources University of Kashmir



# **Department of Bioresources**

Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2018-8/11/21

Date: 30 03 202

# Certificate

This is to certify that the project entitled "Elucidation of prognostic and functional role of BIRC5 in breast cancer using Bioinformatics analysis" is the work carried out by Shariqa Jan, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Dr. Manzoor Ahmad Mir M.Sc. CSIR-JRF-NET (PART) ent of Bioresources Sr. ASSISTANT PROURISESTRY of Kashmir, Srinagar Department of Bioresources University of Kashmir

Head/Cordinator
Department of Bioresources
School of Biological Science

University of Kashmir



Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: M3BR-PN-2018-8/10/21

Date: 30/03/2021

### Certificate

This is to certify that the project entitled "Validation of CDK1 expression and its prognostic significance in Breast Caner using integrated bioinformatics analysis" is the work carried out by Shaziashafi, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Minzoor Ahmad Mir (Supervisor)

Dr. Manzoor Department of Bioresources
M.Sc, CSIR-University of Washmir, Srinagar
Sr. ASSISTANT PROFESSOR
Department of Bioresources
University of Kashmir





**School of Biological Sciences** 

#### **UNIVERSITY OF KASHMIR, SRINAGAR-190006**

NAAC Accredited Grade A+ University

No.: MSBR-PW-2019-B/03/21

Date: 30-11-2021

#### Certificate

This is to certify that the project entitled "Fatty Acid Metabolism In Breast Cancer:A Comprehensive In-Silico Study" is the work carried out by Aanisa Makhdoomi, a regular Masters (M.Sc.) Student of Department of Bioresources, University of Kashmir. This work has been carried under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the submission of project work.

Dr. Manzoor Ahmad Mir

**Department of Bioresources** 

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir

Dr. Manzoor Ahmad Mir

Department of Biographics ad Dr. MANZO MIR Co-ordinator/Head Deptt. of Bioresources University of Kashmir



# **School of Biological Sciences**





Dr Manzoor Ahmad Mir

(Coordinator/Head)

NAAC Accredited Grade A\* University

No: MSBR-PW-2019B/18/21

Dated: 30/11/2021

#### CERTIFICATE

This is to certify that the project entitled "Comprehensive Analysis of MAP Kinase signaling pathway in Breast Cancer: An integrated in silico analysis" is the work carried out by HEENA ZAHRA, a regular Masters student of department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Miro MIR Department of Richesburgees
University of Kashrift Continuersity of Washrift Continuersity of Wa Dr. Manzoor Ahmad Mir

Department of his resource Co-ordination/Heade Deptt. of Bioresources University University of Kashmir



Faculty of Biological Sciences

# UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2020-B/01/23 Date: 25-03-2023

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# Certificate

This is to certify that the project entitled "Expression pattern and therapeutic implications of CDK2 in Breast Cancer: An in-silico and in-vitro analysis" is the work carried out by Iqra Noor, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor

Nuinersity of Kosamuic Department of B University of

Dr. Manzoor Ahmad Mir (cordinator)

Department of Bioresources University of Kashmir, Srinagalurces University of Kashmir, Srinagar



**Faculty of Biological Sciences** 

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR- PW-2020-B/06/23

Date: 25-03-2023

### Certificate

This is to certify that the project entitled "Cisplatin targets XIAP and inhibits tumour cell proliferation in breast cancer cells: An In-vitro and In-silico study" is the work carried out by Masarat Bashir, a regular Masters (M.Sc.) student of the Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmud Mir

Department of River esources

University of Kashmir, Srinagar

Dr. Manzoor Ahmad Mir

Coordinator)

Department of Bio-resources

University of Kashmir, Srinagar

গ্রস্থার রাজ্য রাজ্



Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

Bioresources

Ity of Biological Sciences

ERSITY OF KASHMIR

SRINAGAR 190006, J&K

No: MSBR - PW - 2020 - B | 15 | 23 |

Date: 25 - 03 - 2023

### Certificate

This is to certify that the project entitled "TOP2A dysregulation in breast cancer; An integrated bioinformatic and In-vitro Analysis" is the work carried out by Mina Rashid a regular Masters (M.Sc.) student of Department of Bio resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

(Supervisor)

Department of Bio

University of Kashmir Ouniversity of Kashmir University

Department of Bio resources University of Kashmir

Dr. Manzoor Ahmad Mir

University of

### DEPARTMENT OF BIORESOURCES University of Kashmir-Hazratbal Srinagar, J&K - 190006

## CERTIFICATE

This is to certify that the project entitled "Expression patterns and therapeutic implications of CDK4 in Breast Cancer: An In-vitro and In-silico Analysis" is the work carried out by Mr. / Ms. Sumaiya Nisar, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

(Signature of

De Manzoor Ahmad Mir

University of Kashmir



## Department of Bioresources School of Biological Sciences UNIVERSITY OF KASHMIR HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2020-B/19/23
Date: 25-03-2023

# Certificate

This is to certify that the project entitled "Identification and Analysis of Dysregulated PIK3CA Gene in Breast Cancer: An Integrated Bioinformatic and Invitro Analysis" is the work carried out by AANISA ISHRAT, a regular Masters (M.Sc.) student of Department of Bioresources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir MR (Sapervisor AHMAD)

Department al Blogesourgess University of Washming Srinagar Deptt. Of Dr. Manzoor Ahmad Mir

(Cordinator) Solution Department of Bioresources University of Kashmir, Srinagar



Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

#### Certificate

This is to certify that the project entitled "Validation of MAPT Expression and its Functional Role in Breast Cancer using In-silico and In-vitro Analysis" is the work carried out by Asma jan, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. Miss Asma jan has demonstrated exemplary dedication and scholarly prowess in researching and presenting this project. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Department of Bioresources University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR OSIR-JRF-NET, Ph.D) att. of Bioresources versity of Kashmir

Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bioresources

University of Kashmir, Srinagar

Department of Bioresources Head/Cordinator School of Biological Sciences University of Kashmir





Faculty of Biological Sciences

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: MSBR-PW-2021-B/15/23

Date: 26/12/2023

#### Certificate

This is to certify that the project entitled "Expression Pattern and Functional Role of ATP5A1 in Breast Cancer using In-silico and In-vitro Analysis" is the work carried out by Tabish javeed, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Department of Bio-resources

University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) (Deptt. of Bioresources University of Kashmir Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bio-resources

University of Kashmir, Srinagar



Department of Bio-resources
Faculty of Biological Sciences
UNIVERSITY OF KASHMIR
HAZARATBAL,
SRINAGAR 190006, J&K

No: MSBR-PW-2021-B/17/23

Date: 26/12/2023

### Certificate

This is to certify that the project entitled "Validation of CDK2 expression and its functional role in Breast Cancer using In-silico and In-vitro Analysis "is the work carried out by Fatima Manhas, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Department of Bio-resources
University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bio-resources University of Kashmir, Srinagar



**Faculty of Biological Sciences** 

UNIVERSITY OF KASHMIR

HAZARATBAL, SRINAGAR 190006, J&K

No: M5BR-PW-2021-B/23/23

Date: 26/12/2023

### Certificate

This is to certify that the project entitled "Clinicopathological Significance and Expression Pattern of CDK1 in Breast Cancer Using In-Silico and In-Vitro Analysis" is the work carried out by Nasreen Rashid, a regular Masters (M.Sc.) student of Department of Bio-resources, University of Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bio-resources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

Dr. Manzoor Ahmad Mir

(Supervisor)

Department of Bio-resources University of Kashmir, Srinagar

Dr. MANZOOR AHMAD MIR

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Dr. Manzoor Ahmad Mir

(Coordinator)

Department of Bio-resources

University of Kashmir, Srinagar



### **School of Biological Sciences** UNIVERSITY OF KASHMIR, SRINAGAR-190006





Dr Manzoor Ahmad Mir (Coordinator/Head)



No.: Dated:

### **CERTIFICATE**

This is to certify that the project entitled "Exploring SALL4 as a significant prognostic marker in Breast Cancer and its association with Progression Pathways involved in cancer genesis" is the work carried out by Sania Bashir, a regular Masters (M.Sc.) student of Department of Bioresources, University, Kashmir. This work has been carried out under my supervision and is being submitted for the first time to the Department of Bioresources, University of Kashmir. The candidate has fulfilled all the requirements and formalities as required under the statutes of the University for the Submission of project work.

**M**mad Mir

(Supervisor)

**Department of Bioresources** 

University of Kashmiry Rinagar

Or. MANZOOR AHMAND)

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Or. MANZOOR AHMAND) (CSIR-JRF-NET, Ph.D) Deptt. of Bioresources University of Kashmir

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