



# INDIAN PROTEOME DATABANK - IPD

## Data Submission Tutorial



REGISTRATION

LOGIN



ABOUT IPD SERVICES DATA SUBMISSION PROCESS CONTACT US

# Indian Proteome Databank

## WELCOME TO INDIAN PROTEOME DATABANK (IPD)

Indian Proteome Databank (IPD) is a Proteome dataset archival portal which facilitates submission of proteome data from research labs all across the country. IPD fully supports MS/MS proteomics generated using different workflow. Submitted dataset will be made open access as per embargo time with unique identifier number.

Register

Submit Data

Browse Data

Registration

Login

## IPD SUBMISSIONS ACROSS INDIA



USERS REGISTERED:

7

PROJECTS SUBMITTED:

0

Browse all submit Data

### Quick Links

- IBDC
- Regional Centre for Biotechnology
- Department of Biotechnology

### IBDC Web Portal

- INDIA
- ICPD
- ISDA
- IRCA

### CONTACT

Indian Biological Data Centre (IBDC)  
Regional Centre for Biotechnology (RCB)  
3rd Milestone, Faridkot-Gurgaon Expressway  
Faridkot - 121 001

ipd.support@ibdc.rcb.res.in

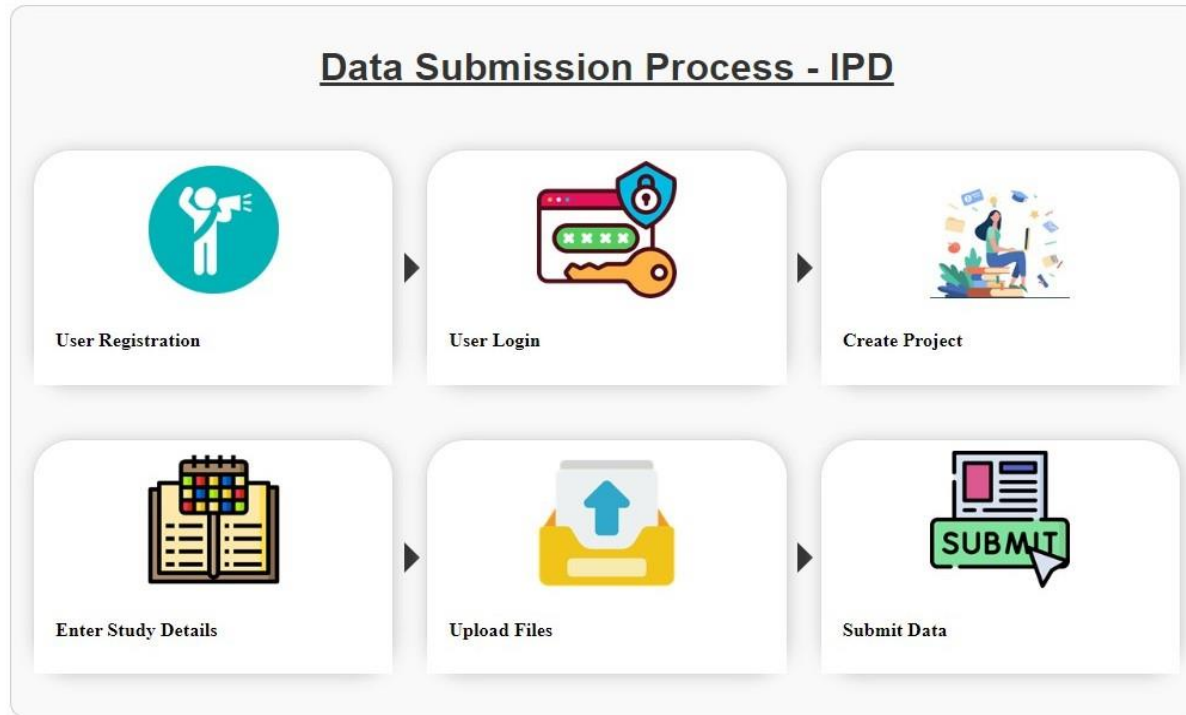


REGISTRATION LOGIN



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### Data Submission Process - IPD



#### Quick Links

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- ▶ Department of Biotechnology

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- ▶ ICPD
- ▶ ISDA

#### CONTACT

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 3rd Milestone, Faridabad-Gurugram Expressway  
 Faridabad - 121 001



REGISTRATION

LOGIN



**Before Registration Verify Your Email Id**

## Indian Proteome Databank Portal - Registration

Please verify your E-mail ID first!! (Preferably Institutional)

Verify Email

If Email ID already verified

**If Email Id is verify Then Click Here**

### Quick Links

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- ▶ INDA
- ▶ ICPD
- ▶ ISDA
- ▶ IMDA

### CONTACT

- ▶ Indian Biological Data Centre (IBDC)  
Regional Centre for Biotechnology (RCB)  
3rd Milestone, Faridabad-Gurugram Expressway  
Faridabad - 121 001
- ▶ [ipdsupport@ibdc.rcb.res.in](mailto:ipdsupport@ibdc.rcb.res.in)



REGISTRATION

LOGIN



## Indian Proteome Databank Portal - Registration

First Name\*:

Middle Name:

Last Name\*:

Designation\*:

Address\*:

ORCID:

Telephone Number:

Password\*:

Confirm Password\*:

Country\*:

Register

User Registration





REGISTRATION

LOGIN



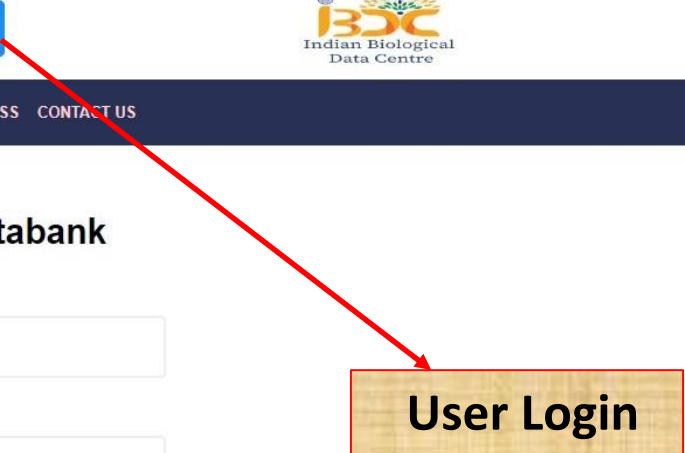
## IPD-Indian Proteome Databank

User Name

Password

Login

Not Yet Registered? [Register](#) [Forgot Password?](#)



User Login

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Faridabad - 121 001

✉ [ipdsupport@ibdc.rcb.res.in](mailto:ipdsupport@ibdc.rcb.res.in)



Dashboard

Create Project

Welcome Nitu



User Dashboard

## Dashboard

0  
Total Projects Created

0  
Total Projects Submitted

0  
Total Meta-Data Submitted

No Projects have been created yet. Please click on [CREATE PROJECT](#) to get started!

### Quick Links

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### CONTACT

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3rd Milestone, Faridabad-Gurugram Expressway  
Faridabad - 121 001  
ipdsupport@ibdc.rcb.res.in

# Create Project

Create Project

Project Data | Experimental Data | Meta Data | File Upload | Save Project

Add Project

Note: Projects can be created by clicking on the Add Project button, all the projects created will be visible in the table below.

Project ID	Project Title	Principal Investigator	Email	Date & Time	Action
No Projects found.					

NEXT TAB

Add New Project

### Quick Links

- ▶ IBDC
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- ▶ Department of Biotechnology

### IBDC Web Portal

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- ▶ ICPD
- ▶ ISDA
- ▶ IMDA

### CONTACT

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 Faridabad - 121 001

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Add Project Details



Add Project Details

Enter Project Title\*

Enter Keyword\*

Enter Principal Investigator Name\*

Enter PI E-mail\*

Enter PI Affiliation\*

Please provide a overall description of your project(max 500 words)

0/500 words

Please provide funding details of your project(max 100 words)

0/100 words

Enter BioRRAP ID

BioRRAP ID

[Know your BioRRAP ID](#)

Please select the data access type after the release date:\*

Please select

- Please select
- Open Access
- Controlled Access

Save Project

Close



## Add Project Details



Enter Project Title\*

Enter Keyword\*

Enter Principal Investigator Name\*

Enter PI E-mail\*

Enter PI Affiliation\*

Please provide a overall description of your project(max 500 words)

0/500 words

Please provide funding details of your project(max 100 words)

0/100 words

Enter BioRRAP ID

BioRRAP ID

[Know your BioRRAP ID](#)

Please select the data access type after the release date:\*

Controlled Access

Data Release Date\*

dd-mm-yyyy

May, 2024

Mo	Tu	We	Th	Fr	Sa	Su
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Clear Today

**In Controlled Access-  
You Can Define Data  
Release Date**

**Save Project**

If Save Project data- then Create a Project Id & this Id travel on the next form(Experimental Data form)

# Create Project

Project Data Experimental Data Meta Data File Upload Save Project

Add Project

Note: Projects can be created by clicking on the Add Project button, all the projects created will be visible in the table below. Please click on Save Project Data button to move the project to next stage.

Project ID	Project Title	Principal Investigator	Email	Date & Time	Action
IPD9082	demo	test	test@gmail.com	30-05-2024 08:18 AM	Save Project Data

If Save Data then It will be not editiable

Save Project Data & Move on the Experimental Data Form

User Delete the Project Data from Here

NEXT TAB

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Dashboard

Create Project

Welcome Nitu



Show Project Status

Click Here and Go To the Experiment Data page & Submit Experiment Data

# Dashboard

**1**  
Total Projects Created

**1**  
Total Projects Submitted

**0**  
Total Meta-Data Submitted

Sr.No.	Project Id	Project Name	Project Status	Experiment Data	Meta-Data	File Status	Complete Project
1	IPD2400	demo	✓Submitted	✗Not Submitted	✗Not Submitted	✗Not Submitted	25.0%

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## Create Project

Project Data | **Experimental Data** | Meta Data | File Upload | Save Project

**Add Experimental-Data**

**Note:** Please complete the above Experiment form to move forward to the Meta Data tab.

Project ID	Experiment Type	Instrument Details	Protein Modifications	Action
No Experiment-Data found.				

PREVIOUS TAB | NEXT TAB

Add Experimental-Data

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IPD5145 - Demo Project

Please Select Project ID

**IPD5145 - Demo Project**

Sample Preparation\* (Max: 1000 words)

Please provide a short description on sample preparation steps in details.

Word count: 0

Peptide Separation\* (Max: 1000 words)

Please provide a short description on separation, enrichment strategies and mass spectrometry protocol included.

Word count: 0

Protein Characterization\* (Max: 1000 words)

Please provide a description on bioinformatics pipeline used, main search parameters, quantitative analysis, software tools and versions included.

Word count: 0

Experiment Type\*

Please select

Select Instrument Details\*

Please Select Instrument Details

Protein Modifications

Enter Protein Modifications

Any other additional information about Experimental setting

Please enter your input here.

Save Data

Close

Select Project Id & Add Experimental-data



Please provide a short description on separation, enrichment strategies and mass spectrometry protocol included.

Word count: 0

Protein Characterization\* (Max:1000 words)

Please provide a description on bioinformatics pipeline used, main search parameters, quantitative analysis, software tools and versions included.

Word count: 0

Experiment Type\*

Please select 

- Please select
- Targeted
- Top-down
- Bottom-up
- Others

Protein Modifications

Enter Protein Modifications

Any other additional information

Please enter your input here.

Save Data

Close

User Select the Experiment Type

Save Data



Dashboard

Create Project

Welcome Nitu



# Create Project

- Project Data
- Experimental Data**
- Meta Data
- File Upload
- Save Project

Add Experimental-Data

**Note:** Please complete the above Experiment form to move forward to the Meta Data tab.

- Please click on **Save Experiment Data** button to move the project to next stage.

Project ID	Experiment Type	Instrument Details	Protein Modifications	Action
IPD2400	Targeted	4000 QTRAP	Amino Acid Sequence	<input type="button" value="Save Experiment Data"/>
IPD5145	Bottom-up	4000 QTRAP	2-DE, LCM	<input type="button" value="Save Experiment Data"/>

PREVIOUS TAB

NEXT TAB

**Save Experiment Data & Move on the Meta Data Form**

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# Create Project

Project Data Experimental Data **Meta Data** File Upload Save Project

Add Meta-Data

**Note:** Please complete the above Dataset form to move forward to upload the file.

Project ID	Species	Tissue	Cell Type	Disease	Action
No Meta-Data found.					

PREVIOUS TAB NEXT TAB

Add Meta Data

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Please Select Project ID ▼

Please Select Project ID

**IPD5145 - Demo Project**

Select Species\*\*:

Please Select Species

Select Tissue\*:

Please Select Tissue\*

Select Cell Type\*:

Please Select Cell Type

Select Disease:

Please Select Disease

Please select the biological source:\*

Please select ▼

Ethical Approval (IEC,IAEC,CTRI)

Any Publication (PubMed ID)

PubMed ID

Save Project

Close



Select Project Id & Add Meta Data

Add Meta-Data



Please Select Project ID

Select Species\*:

Please Select Species

Select Tissue\*:

Please Select Tissue\*

Select Cell Type\*:

Please Select Cell Type

Select Disease:

Please Select Disease

Please select the biological source:\*

Please select

- Please select
- Human
- Plant
- Animal
- Microbial

Any Publication (PubMed ID)

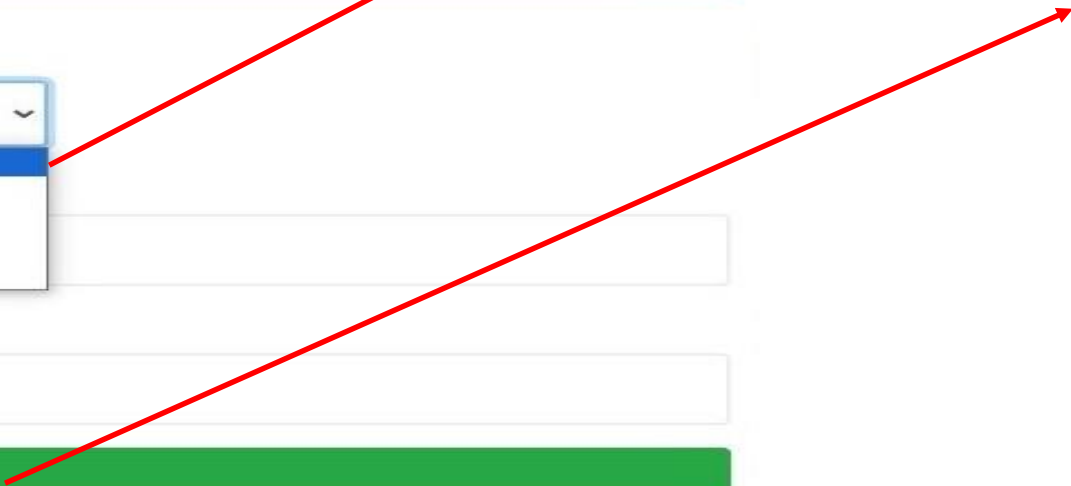
PubMed ID

Save Project

Close

Select Biological source For Meta-Data

Save Project



# Create Project

Project Data    Experimental Data    **Meta Data**    File Upload    Save Project

Add Meta-Data

**Note:** Please complete the above Dataset form to move forward to upload the file.

- Please click on **Save Meta Data** button to move the project to next stage.

Project ID	Species	Tissue	Cell Type	Disease	Action
IPD5145	Cyanophora paradoxa	Adipocyte	Culture condition:-induced cell		<input type="checkbox"/> Save Meta Data

PREVIOUS TAB    NEXT TAB

**Save Meta Data & Move on the File Upload Form**

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You can Upload files here In Two Ways

# Create Project

Project Data Experimental Data Meta Data **File Upload** Save Project

**Note:** Guidelines for Uploading Documents:  
• Please select the File Upload method either via FTP or via Web Browser  
• Files up to 200 MB can be uploaded via Web Browser.  
• Files larger than 200 MB should be uploaded via FTP server.  
• Once the upload method is selected it will not be changed, please select carefully.

Project ID	Project Title	Upload Files Via Web	Upload Files Via FTP	No. of Files Added	Save Files
IPD5145	Demo Project	<a href="#">Upload Via Web</a>	<a href="#">Upload via FTP</a>	0	<a href="#">Submit Files</a>

PREVIOUS TAB NEXT TAB

File Upload Via Web

File Upload Via FTP

- Quick Links**
- ▶ IBDC
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- IBDC Web Portal**
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  - ▶ IMDA

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Go back to previous page

Guidelines for Uploading Documents (Complete):

- Raw Spectrum File, Result File, Peak List File & Sequence Databases are mandatory to upload.
- All other files are optional to upload.

Submission Type

Please Select: ▼

- Please Select:
- Partial
- Complete

Select Submission Type

Quick Links

- ▶ IBDC
- ▶ Regional Centre for Biotechnology
- ▶ Department of Biotechnology

IBDC Web Portal

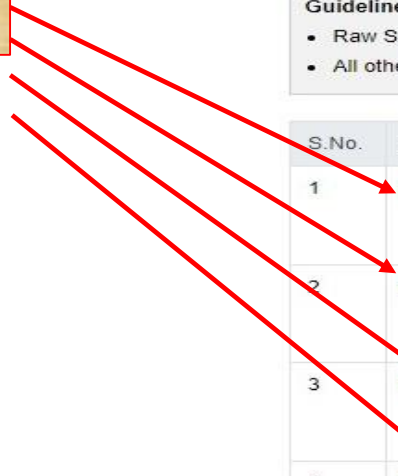
- ▶ INDA
- ▶ ICPD
- ▶ ISDA
- ▶ IMDA

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**Upload Raw Spectrum File, Result File, Peak List File & Sequence Databases (It is mandatory files)**



[Go back to previous page](#)

**Guidelines for Uploading Documents (Complete):**

- Raw Spectrum File, Result File, Peak List File & Sequence Databases are mandatory to upload.
- All other files are optional to upload.

S.No.	Document Title	Upload Document	Action	Status
1	<b>Raw Spectrum File*</b>	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
2	<b>Result File*</b>	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
3	<b>Peak List File*</b>	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
4	<b>Sequence Databases*</b>	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
5	Quantification Results	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
6	Methods and Protocols	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
7	Search Engine Files	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
8	Gel Images	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
9	Western Blot Image	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded
10	Spectral Libraries	<input type="button" value="Choose File"/> No file chosen <input type="button" value="UPLOAD"/>	<input type="button" value="Submit File"/>	File Not Uploaded

**Upload Quantification Result, Methods and Protocols, Search Engine File, Gel Images, Western Blot Image & Spectral Libraries Files (It is Optional File)**



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### Guidelines for Uploading Documents (FTP):

- Upload the required files to the FTP server using the credentials provided below.
- Ensure all mandatory files are uploaded.

**FTP Server Credentials**

Submission Type: Complete

### FTP Server Credentials

**Username:** IPD000.76

**Password:** Root@123456

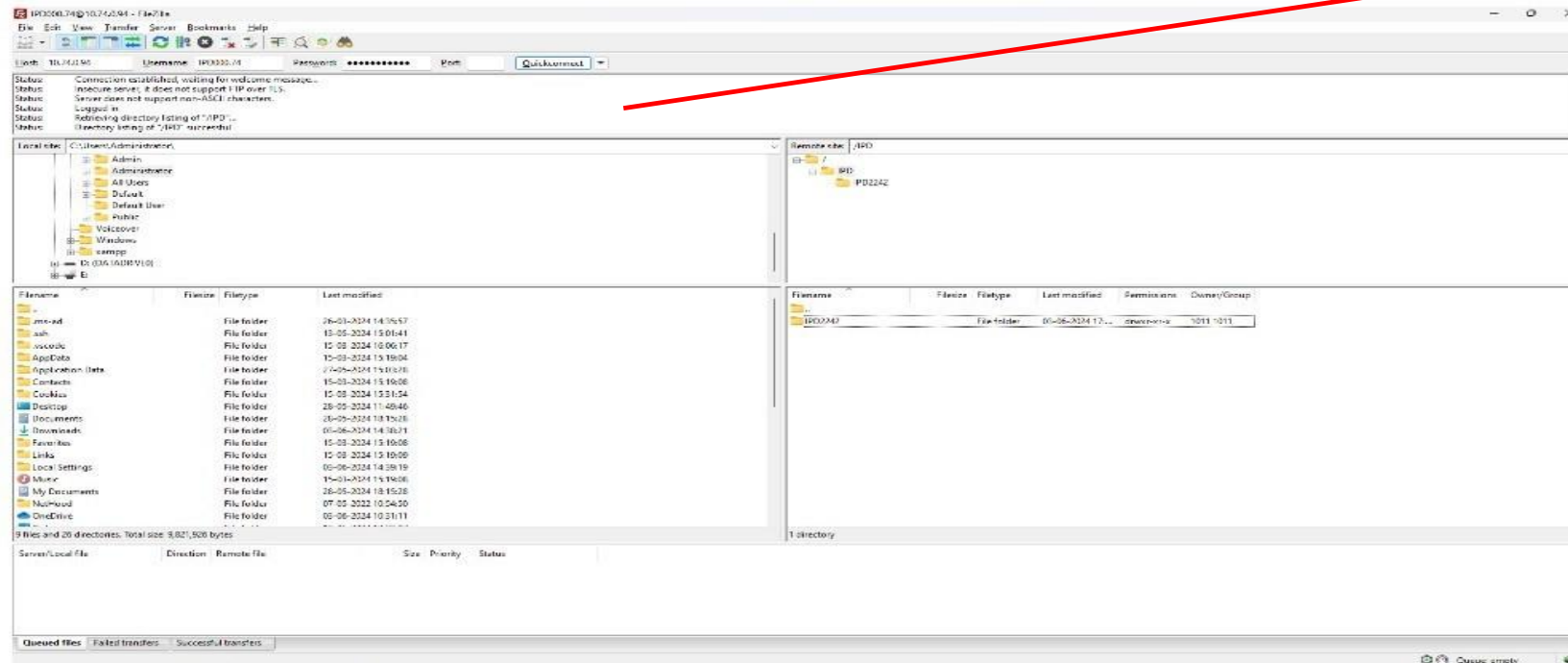
### Instructions:

- Use the above credentials to log in to the FTP server.
- Upload the required files to your project directory.
- Ensure all mandatory files are uploaded.

### FTP Upload Tutorial:

Step 1: Open FileZilla and enter the FTP credentials.

**Step1:  
Open FileZilla and  
enter the FTP  
Credential**



Step 2: Navigate to the project directory.

**Step2: Navigate to the Project Directory**

Step 2: Navigate to the project directory.

The screenshot shows the FileZilla interface with the local site at C:\Users\Administrator\ and the remote site at IPD. The local site pane shows a list of folders including Desktop, Documents, Downloads, Favorites, Links, Local Settings, Music, My Documents, Net Home, OneDrive, and Desktop. The remote site pane shows a folder named IPD. The status bar at the bottom indicates the selected directory.

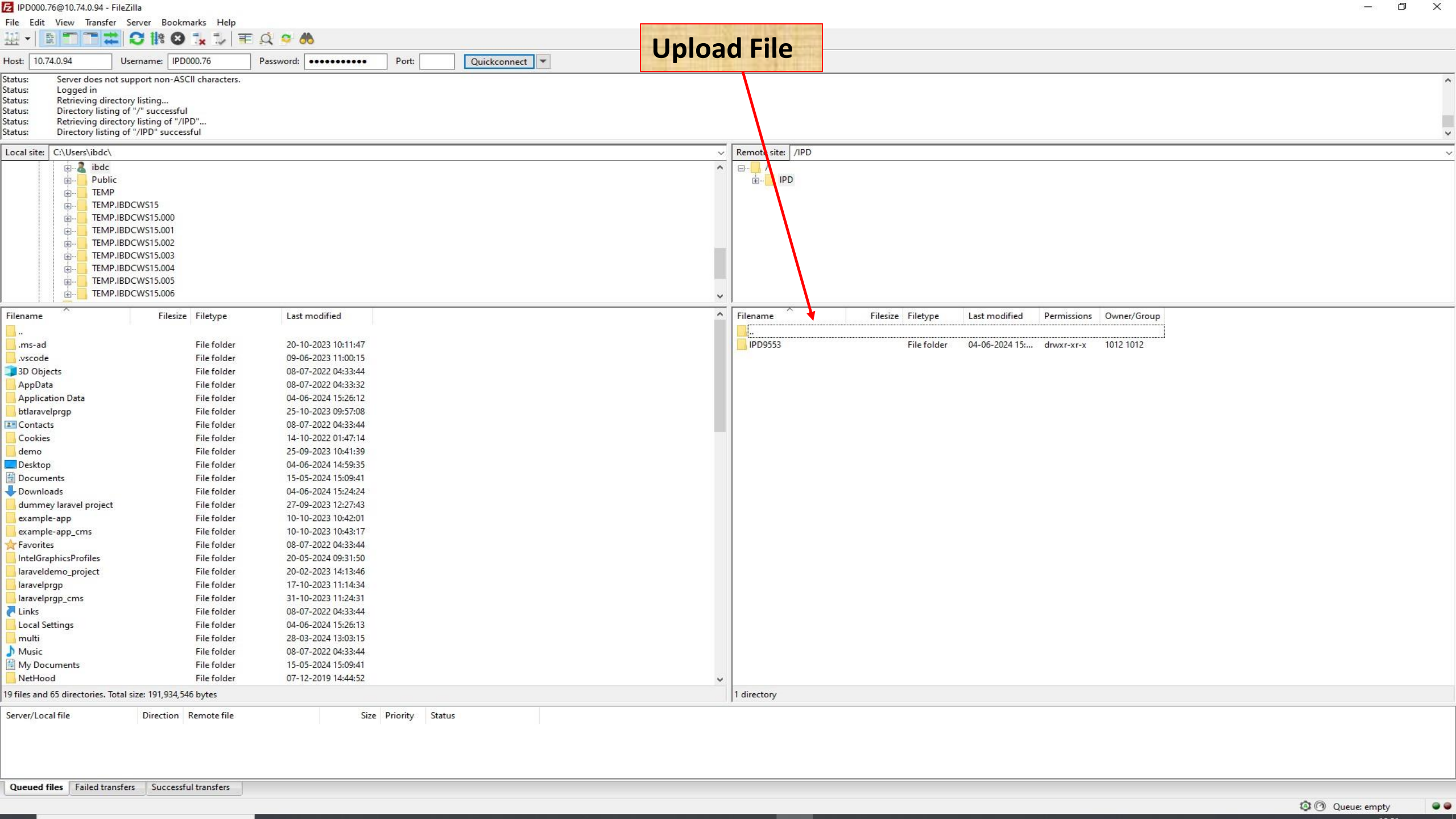
Filename	Size	Filetype	Last modified	Permissions	Owner/Group
IPD		File folder	01-26-2024 12:...	drwxr-xr-x	1011 1011

**Step3: Upload Your files to the Directory**

Step 3: Upload your files to the directory.

The screenshot shows the FileZilla interface with the local site at C:\Users\Administrator\ and the remote site at IPD. The local site pane shows a list of folders including Desktop, Documents, Downloads, Favorites, Links, Local Settings, Music, My Documents, Net Home, OneDrive, and Desktop. The remote site pane shows a folder named IPD. The status bar at the bottom indicates the selected directory.

Filename	Size	Filetype	Last modified	Permissions	Owner/Group
Contacts		File folder	01-26-2024 18:...	drwxr-xr-x	1011 1011



Upload File

Host: 10.74.0.94 Username: IPD000.76 Password: ..... Port: Quickconnect

Status: Server does not support non-ASCII characters.  
Status: Logged in  
Status: Retrieving directory listing...  
Status: Directory listing of "/" successful  
Status: Retrieving directory listing of "/IPD"...  
Status: Directory listing of "/IPD" successful

- Local site: C:\Users\ibdc\  
ibdc  
Public  
TEMP  
TEMP.IBDCWS15  
TEMP.IBDCWS15.000  
TEMP.IBDCWS15.001  
TEMP.IBDCWS15.002  
TEMP.IBDCWS15.003  
TEMP.IBDCWS15.004  
TEMP.IBDCWS15.005  
TEMP.IBDCWS15.006

- Remote site: /IPD  
IPD

Filename	Filesize	Filetype	Last modified
..			
.ms-ad		File folder	20-10-2023 10:11:47
.vscode		File folder	09-06-2023 11:00:15
3D Objects		File folder	08-07-2022 04:33:44
AppData		File folder	08-07-2022 04:33:32
Application Data		File folder	04-06-2024 15:26:12
btlaravelprgp		File folder	25-10-2023 09:57:08
Contacts		File folder	08-07-2022 04:33:44
Cookies		File folder	14-10-2022 01:47:14
demo		File folder	25-09-2023 10:41:39
Desktop		File folder	04-06-2024 14:59:35
Documents		File folder	15-05-2024 15:09:41
Downloads		File folder	04-06-2024 15:24:24
dummy laravel project		File folder	27-09-2023 12:27:43
example-app		File folder	10-10-2023 10:42:01
example-app_cms		File folder	10-10-2023 10:43:17
Favorites		File folder	08-07-2022 04:33:44
IntelGraphicsProfiles		File folder	20-05-2024 09:31:50
laraveldemo_project		File folder	20-02-2023 14:13:46
laravelprgp		File folder	17-10-2023 11:14:34
laravelprgp_cms		File folder	31-10-2023 11:24:31
Links		File folder	08-07-2022 04:33:44
Local Settings		File folder	04-06-2024 15:26:13
multi		File folder	28-03-2024 13:03:15
Music		File folder	08-07-2022 04:33:44
My Documents		File folder	15-05-2024 15:09:41
NetHood		File folder	07-12-2019 14:44:52

19 files and 65 directories. Total size: 191,934,546 bytes

Filename	Filesize	Filetype	Last modified	Permissions	Owner/Group
..					
IPD9553		File folder	04-06-2024 15:...	drwxr-xr-x	1012 1012

1 directory

Server/Local file	Direction	Remote file	Size	Priority	Status
-------------------	-----------	-------------	------	----------	--------

Queued files Failed transfers Successful transfers

Queue: empty

# Create Project

Project Data    Experimental Data    Meta Data    **File Upload**    Save Project

**Note:** Guidelines for Uploading Documents:

- Please select the File Upload method either via FTP or via Web Browser
- Files up to 200 MB can be uploaded via Web Browser.
- Files larger than 200 MB should be uploaded via FTP server.
- Once the upload method is selected it will not be changed, please select carefully.

Project ID	Project Title	Upload Files Via Web	Upload Files Via FTP	No. of Files Added	Save Files
IPD4395	LC-MS/MS analysis of the cation-independent mannose 6-phosphate receptor (CI-MPR) from bovine serum	<b>Project Files Uploaded Successfully!</b>	<input type="button" value="Upload via FTP"/>	4	<input type="button" value="Submit Files"/>

**File Upload Successfully**

User Dashboard After Submitted All Files Successfully

For Show all Project data After project submit - click on Project Id

# Dashboard

2 Total Projects Created

2 Total Projects Submitted

2 Total Meta-Data Submitted

Sr.No.	Project Id	Project Name	Project Status	Experiment Data	Meta-Data	File Status	Complete Project
1	<a href="#">IPD4395</a>	LC-MS/MS analysis of the cation-independent mannose 6-phosphate receptor (CI-MPR) from bovine serum	Submitted	Submitted	Submitted	Submitted	✓100%
2	<a href="#">IPD9553</a>	Utx interactome in mouse myeloid progenitor cells	Submitted	Submitted	Submitted	Submitted	✓100%

### Quick Links

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- ▶ Regional Centre for Biotechnology
- ▶ Department of Biotechnology

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Show all record after click on Project Id

Go back to previous page

### Showing Details of IPD4395

Project ID	Project Title	Principal Investigator	Affiliation	Keyword	Description	Project Date & Time
IPD4395	LC-MS/MS analysis of the cation-independent mannose 6-phosphate receptor (CI-MPR) from bovine serum	Ak Puran	ISBD	CI-MPR, lysosomal, Endosome	The cation-independent mannose 6-phosphate receptor (CI-MPR) is clinically significant in the treatment of patients with lysosomal storage diseases because it functions in the biogenesis of lysosomes by transporting mannose 6-phosphate (M6P)-containing lysosomal enzymes to endosomal compartments. The extracellular region of CI-MPR comprises 15 homologous domains with binding sites for M6P-containing ligands located in domains 3, 5, 9, and 15, whereas IGF2 interacts with residues in domain 11. To evaluate the allosteric properties and conformation of CI-MPR, we isolated the receptor from a mammalian source, bovine serum and analyzed the sequence of the isolated receptor by mass spectrometry.	04-06-2024 07:02 AM

### Experiment Data

Project ID	Sample Preparation	Peptide Separation	Experiment Type	Instrument Details	Protein Modifications
IPD4395	Three preparations of sCI-MPR were isolated from two separate lots of newborn calf serum. The isolated proteins were reduced with TCEP, alkylated with iodoacetamide, digested overnight with trypsin, and desalted using Phoenix columns (PreOmics, Martinsreid Germany).	The resulting peptides were analyzed on a Thermo Fisher Scientific Orbitrap Fusion Lumos Mass Spectrometer via two technical replicate injections of 5% of the material each using a data-dependent acquisition (DDA) HCD instrument method with a 90-minute gradient on a Thermo Acclaim PepMap C18 75 μm × 50 cm column	Top-down	Orbitrap Fusion Lumos	iodoacetamide derivatized residue

### Meta Data

Project ID	Species	Tissue	Cell Type	Disease	Pub Med ID
IPD4395	Bos taurus	Pancreas	Pancreatic acinar cell	panc	

### Supporting Files

Project ID	File Name	Submission Type	File Date
IPD4395	Raw Spectrum File	Complete	04-06-2024 10:06 AM
IPD4395	Result File	Complete	04-06-2024 10:07 AM
IPD4395	Peak List File	Complete	04-06-2024 10:07 AM
IPD4395	Sequence Databases	Complete	04-06-2024 10:07 AM



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S.No.	Project ID	Project title	Principal investigator	Description	Institute	Experiment Type	Release Date
1	IPD4395	LC-MS/MS analysis of the cation-independent mannose 6-phosphate receptor (CI-MPR) from bovine serum	Ak Puran	The cation-independent mannose 6-phosphate receptor (CI-MPR) is clinically significant in the treatment of patients with lysosomal storage diseases because it functions in the biogenesis of lysosomes by transporting mannose 6-phosphate (M6P)-containing lysosomal enzymes to endosomal compartments. The extracellular region of CI-MPR comprises 15 homologous domains with binding sites for M6P-containing ligands located in domains 3, 5, 9, and 15, whereas IGF2 interacts with residues in domain 11. To evaluate the allosteric properties and conformation of CI-MPR, we isolated the receptor from a mammalian source, bovine serum and analyzed the sequence of the isolated receptor by mass spectrometry.	Alagappa University, Karaikudi, Tamil Nadu, India	Top-down	2024-06-09
2	IPD9553	Utx interactome in mouse myeloid progenitor cells	Ak Puran	Immunoprecipitation of Utx followed by mass spectrometry analysis to identify Utx binding partners in mouse myeloid progenitor cells.	Alagappa University, Karaikudi, Tamil Nadu, India	Bottom-up	2024-06-09