

Use of Turnitin through Moodle

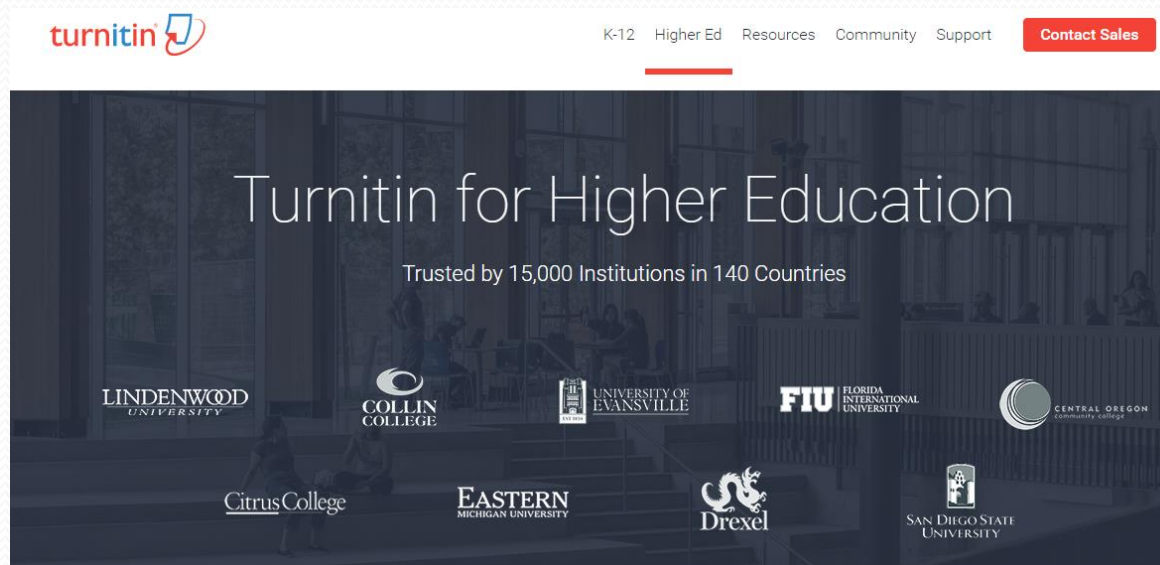
Similarity vs Plagiarism

CLT Workshop

Presented by Dr. Saba Butt
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What is Turnitin?

- Turnitin is an online tool for:
 - checking similarity of documents with other documents (to predict plagiarism)



Why check similarity?

- There is a requirement by HEC and all publications that any research work should not be plagiarized
- Plagiarism is using someone's work without giving due credit
- How Turnitin Helps?
 - Turnitin checks all your written work (any text; a book, research article, monograph etc.) against any material available on Internet
 - It cannot compare your writings with any work that is not available online. For example, if it is copied from an old book which is not available online
 - It checks your work for “similarity” with any other work on Internet


• **Similarity vs Plagiarism**

- Every similarity is NOT plagiarism
- Sometimes it could be an unavoidable similarity like a mathematical formula, or a definition in biology or English
- It is Instructor's responsibility to see if similarity is plagiarism or not
- **Filters in Turnitin:** Turnitin allows to apply "Filters" to exclude those similarities that are not considered plagiarism


HEC's Guidelines to Use Turnitin Similarity Index

- <https://www.hec.gov.pk/english/services/faculty/Documents/Plagiarism/Guidelines%20on%20Turnitin.pdf>
- Important ones are copied on next slides. You can download the whole document (3 pages) using the link above

How to Interpret Originality Report (Guidelines)



1. Similarity index of the originality report is showing matches of submitted work with internet content. It is not verdict that document with high similarity index is plagiarized.
2. Similarity index is based on percentage of matched text out of total number of words in the document.
3. Instructor/Faculty member has to verify each and every similarity index for potential clue of plagiarism.
4. If similarities in the document are significant then scholar/student may be guided accordingly or case may be reported on the basis of that evidence.

- 
5. The similarities in the document may contain matches with author's previous work; it may be ignored if it is the same work.
 6. Bibliography and quoted material may be excluded after verifying. It is important to note that too much quoted material is not desired as per policy.
 7. Common phrases and proper nouns also appear as similarities in the report, therefore every instructor/faculty member should ignore matches returned from them.
 8. Originality report will show similarities from three major sources: internet, periodicals and student repository. Similarities returned from student repository may be ignored if it is author's own same work. Similarities from Student repository helps in detecting collusion in the documents.
 9. The graphs, tables, formulae and other pictorial material is not matched through the service therefore, it will only offer similarities with only text.
 10. The instructor/faculty member supervising students/scholars can give verdict of plagiarism after interpreting report. The report will be used as evidence of the report.

7. Originality/Similarity reports generated by the Turnitin provide clues in form of text matches. Proverbs, Universal Truths, phrases etc.
8. Scholars/Students must make sure that document they are submitting is in proper documenting style (i.e. IEEE, Chiacago, MLA, APA etc.) and is free of plagiarism.
9. If the report has similarity index $\leq 19\%$, then benefit of doubt may be given to the author but, in case, any single source has similarity index $\geq 5\%$ without citation then it needs to be revised.
10. If similarities of a report are from author's own (previous) work then these may be ignored only if the material has been cited by the author.
11. As documents which are checked through this service are not yet published and no benefit is acquired, therefore, no punishment or penalty is recommended. It is advised that similarities at greater level may be taken care of in the light of the HEC plagiarism policy.



How to Add a Turnitin Assignment in a Moodle Course

(Stepwise)

Step 1 – Login to Moodle

tmoodle.fccollege.edu.pk/moodle/

Forman Christian College (A Chartered University) Empower SIS Course Outline Template Moodle FAQs

You are not logged in. [\(Log in\)](#)



Site announcements

I.T.S

New Moodle 3.5 Set up

by Admin ITS moodle - Wednesday, 24 October 2018, 5:09 PM



Latest Moodle version(3.5) has been deployed in **Forman Christian College (A Chartered University)**.

You are welcome to use **LMS** with new and enhanced functionality.

More customization is in process. We want to achieve full use of Learning Management System to its full capacity.

We encourage all faculty members and students to use LMS for enhanced learning outcomes.

Click on the following to access more information:

Moodle Login – Use your Username and Password

tmoodle.fccollege.edu.pk/moodle/login/index.php



FORMAN CHRISTIAN COLLEGE (A CHARTERED UNIVERSITY)

[Forgotten your username or password?](#)

Cookies must be enabled in your browser [?](#)

Remember username

Some courses may allow guest access

Log in

Log in as a guest

Step 2: Select the Course in which you want to Add an Assignment

The screenshot shows a web browser window with the URL `tmoodle.fccollege.edu.pk/moodle/`. The page header includes the text "Forman Christian College (A Chartered University)" and navigation links for "Empower SIS", "Course Outline Template", and "Moodle FAQs". A user profile for "Saba Butt" is visible in the top right. On the left, a sidebar menu lists navigation options: Home, Dashboard, Calendar, Private files, My courses, and a list of course codes: BIOL413AFA18, BIOL222ASP20, BIOL105ASP20, and BIOL105BSP20. The main content area is titled "My courses" and features a green callout box with the text "Select your course". A red arrow points to this box. Below it, a blue arrow points to a course entry titled "General Zoology Section A", which is circled in blue. The course entry includes the teacher's name "Saba Butt" and a description: "Only for students who have studied Biology in higher secondary school/A- Level or equivalent The structure, functions, ecology and evolution of all major animal groups including invertebrates and chordates. The origin of multicellular forms and basic env".

Forman Christian College (A Chartered University) Empower SIS Course Outline Template Moodle FAQs Saba Butt

Home Dashboard Calendar Private files My courses BIOL413AFA18 BIOL222ASP20 BIOL105ASP20 BIOL105BSP20

My courses

Select your course

General Zoology Section A

Teacher: Saba Butt

Prerequisite: BIOL 201 and BIOT 313 Focused on animals and human beings, this course provides current knowledge of the processes involved in, and phases of, development and differentiation from embryo to adulthood. There is an emphasis on molecular mec

Only for students who have studied Biology in higher secondary school/A- Level or equivalent The structure, functions, ecology and evolution of all major animal groups including invertebrates and chordates. The origin of multicellular forms and basic env

Step 3: First of All, Go to “Settings” and click the dropdown (small arrowhead) there.

Forman Christian College (A Chartered University) Empower SIS Course Outline Template Moodle FAQs

Saba Butt

BIOL105ASP20

2020SP_*General Zoology Section A

Home / My courses / Biological Sciences / 2020SPBIOL / BIOL105ASP20

Settings

Announcements

Course Outline

Handouts

Class Activities

Assignments

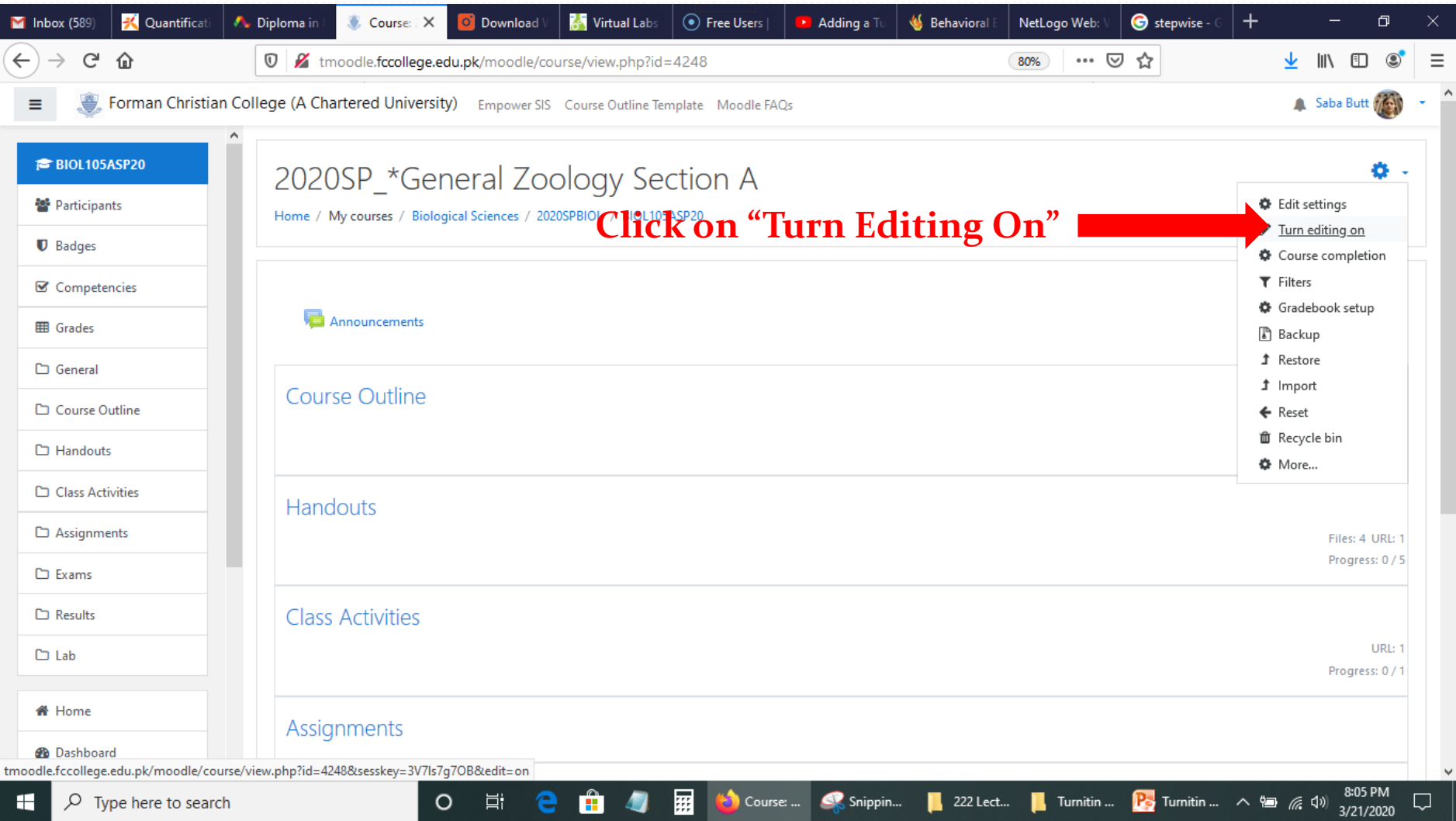
File: 1
Progress: 0 / 1

Files: 4 URL: 1
Progress: 0 / 5

URL: 1
Progress: 0 / 1

Click the arrowhead

Step 4: From the popup menu, select “Turn Editing On”. Moodle will go to Editing Mode.



The screenshot shows a web browser window displaying a Moodle course page for "2020SP_*General Zoology Section A". The browser's address bar shows the URL "tmoodle.fccollege.edu.pk/moodle/course/view.php?id=4248". The page header includes the college name "Forman Christian College (A Chartered University)" and navigation links. A left sidebar contains a course menu with items like "Participants", "Badges", "Competencies", "Grades", "General", "Course Outline", "Handouts", "Class Activities", "Assignments", "Exams", "Results", and "Lab". The main content area has sections for "Announcements", "Course Outline", "Handouts", "Class Activities", and "Assignments". A popup menu is open in the top right corner, listing various course management options. A red arrow points to the "Turn editing on" option in this menu. The browser's taskbar at the bottom shows several open applications and the system clock indicating 8:05 PM on 3/21/2020.

tmoodle.fccollege.edu.pk/moodle/course/view.php?id=4248

Forman Christian College (A Chartered University) Empower SIS Course Outline Template Moodle FAQs Saba Butt

BIOL105ASP20

Participants

Badges

Competencies

Grades

General

Course Outline

Handouts

Class Activities

Assignments

Exams

Results

Lab

Home

Dashboard

2020SP_*General Zoology Section A

Home / My courses / Biological Sciences / 2020SPBIOL / BIOL105ASP20

Announcements

Course Outline

Handouts

Class Activities

Assignments

Files: 4 URL: 1 Progress: 0 / 5

URL: 1 Progress: 0 / 1

tmoodle.fccollege.edu.pk/moodle/course/view.php?id=4248&sesskey=3V71s7g7OB&edit=on

Type here to search

Course: ... Snippin... 222 Lect... Turnitin ... Turnitin ... 8:05 PM 3/21/2020

- Edit settings
- Turn editing on
- Course completion
- Filters
- Gradebook setup
- Backup
- Restore
- Import
- Reset
- Recycle bin
- More...

Now, you are in Editing Mode. You can edit the things here as arrows show. The + sign or a “pencil” sign shows things that are editable.

The screenshot shows a course management interface with a sidebar on the left and a main content area. The sidebar includes a search bar and a list of course components: Participants, Badges, Competencies, Grades, General, Course Outline, Handouts, Class Activities, Assignments, Exams, Results, Lab, Home, and Dashboard. The main content area is titled 'BIOL105ASP20' and contains several sections: 'Announcements', 'Course Outline', and 'Handouts'. Each section has a plus sign and a pencil icon, indicating it is editable. A blue arrow points to the plus sign next to 'Course Outline', and another blue arrow points to the pencil icon next to 'Hickman's Zoology Chapter 1'. The bottom of the screen shows a Windows taskbar with the search bar and several open applications: Snipping..., 222 Lect..., Turnitin..., and Turnitin... The system clock shows 8:10 PM on 3/21/2020.

Step 5: Select the Section of the Course in which you want to Add Assignment. Then, in that section click “Add an Activity or Resource”

My course is Topic-wise. So I am adding assignment in the Topic “Assignments”. If you are using default, then, you can add it in any “week” you want.

It may be your “Week 4”

The screenshot shows a list of course activities. The first activity is 'Sponge Feeding' with a description 'Sponge feeding through non toxic dye' and a YouTube link. Below it is 'Class Activities', which is circled in red. The next activity is 'Ethics in Animal Experimentation - BBC' with a description 'Ethics in Animal Experimentation - BBC' and a link to study ethical rules. Below it is 'Assignments', which is also circled in red. At the bottom of the list, there is a blue box with the text 'Click on “Add an Activity or Resource”' and a red arrow pointing to the 'Add an activity or resource' button, which is highlighted in yellow.

It may be your Week 5

Step 6: In popup menu that appears, click on “Turnitin Assignment”. Then click “Add”, shown by a circle.

The screenshot displays the Moodle interface with a popup menu titled "Add an activity or resource" open. The menu lists various activity types, with "Turnitin Assignment" selected and highlighted in yellow. A descriptive text box next to it states: "Creates a Turnitin Moodle Direct assignment which links an activity in Moodle to an assignment / assignments on Turnitin. Once linked, the activity allows instructors to assess and provide feedback for student's written work using the assessment tools available within Turnitin's Document Viewer." The "Add" button at the bottom of the popup is circled in blue. The background shows a course page with sections like "Sponge Feeding", "Class Activities", "Assignments", "Exams", and "Results".

2020SP_*General Zoology Section A

Adding a new Turnitin Assignment to Assignments

Assignment name and description

General

Turnitin Assignment Name

Summary

Rich text editor toolbar with icons for undo, redo, bold, italic, bulleted list, numbered list, link, unlink, insert image, insert video, insert audio, insert link, and insert document. Below the toolbar is a large text area containing a yellowed-out summary.

Display description on course page

Submission Type

Any Submission Type

What kind of submission is required?
Open it, See next slide.

Number of Parts

1

Adding a new Turnitin Assignment to Assignments

General

Turnitin Assignment Name

Summary

Rich text editor toolbar with icons for undo, bold, italic, bulleted list, numbered list, link, unlink, image, video, audio, and insert link.

Display description on course page

Submission Type

Dropdown menu for Submission Type with options: Any Submission Type, File Upload, Text Submission, and Any Submission Type. The 'File Upload' option is highlighted.

Number of Parts

Maximum File Size

Student Originality Report

Submission type may be a file like word file or text submission means copy and paste or typing in a box. Or you can allow Any Submission Type. Students will have option.

Display description on course page ?

Submission Type



Any Submission Type ⇅

Number of Parts



1 ⇅

1

2

3

4

5

Maximum File Size



Upload limit (40MB) ⇅

Student Originality Reports



▶ Turnitin Advanced Options

▶ Grade

▶ Common module settings

▶ Restrict access

Number of parts in a file. Sometimes it is allowed that References could be separated and not checked for similarity. You can allow 2 files in that case.

Display description on course page ?

Submission Type ⓘ ⓘ Any Submission Type ▾

Number of Parts ⓘ 1 ▾

Maximum File Size ⓘ ▾
Site upload limit (40MB) ▾

Student Originality Reports ⓘ

40MB

20MB

10MB

5MB

2MB

1MB

500KB

100KB

50KB

10KB

▶ Turnitin Advanced Options

▶ Grade

▶ Common module settings

▶ Restrict access

▶ Activity completion

File size could also be decided.

The help icon: You can see a circled ? in front of each option. This is the help option. If you click it, this will explain meaning/uses of the option.

Display description on course page ?

Submission Type



Any Submission Type

Number of Parts



1

Maximum File Size



Site upload limit (40MB)

Student Originality Reports



No
No
Yes

You can also set that can students see the originality report or not.

▶ Turnitin Advanced Options

▶ Grade

▶ Common module settings

▶ Restrict access

▶ Activity completion

▶ Tags

▶ Competencies

There are advanced options as well. Please see next slide.



Editing T...



Snippin...



222 Lect...



Turnitin ...

Turnitin Advanced Options

Allow Late Submissions



No

Report Generation Speed



Generate reports immediately, reports can be overwritten until due date

Note: Originality Report generation for resubmissions is subject to a twenty-four hour delay.

Store Student Papers



No Repository

Check against stored student papers



Yes

Check against internet



Yes

Check against journals, periodicals and publications



Yes

Exclude Bibliography



No

Exclude Quoted Material



No

Exclude Small Matches



Words

Enable e-rater grammar check



No

You can select these options as per your choice or requirement

Repository option is important. If you store a document once into HEC's repository then it is very difficult to remove it from there. If you submit that file's modified version then you will have very high similarity index. That is why, preferred option is "No Repository".

Usage

Mechanics

Style

▶ Grade

▶ Common module settings

▶ Restrict access

▶ Activity completion

▶ Tags


▶ Competencies

Click Save and Display

Save and return to course

Save and display

Cancel


There are required fields in this form marked  .

Forman Christian College (A Chartered University)

[Home](#) / [2020SPBIOL](#) / [BIOL105ASP20](#) / [Turnitin Assignments](#) / Assignment 1

This is like you see it next

Summary Submit Paper Submission Inbox Options

Turnitin Assignment Name Assignment 1
Summary Assignment 1
Turnitin Tutors 

Assignment Part	Start Date	Due Date	Post Date	Max Marks	Export
Part 1	21/03/28/03	28/03/28/03	100	-	 

Pencil means "edit" and a bin means "delete"

Forman Christian College (A Chartered University)

Home / 2020SPBIOL / BIOL105ASP20 / Turnitin Assignments / Assignment 1

Submission Inbox (no submissions yet)



Summary

Submit Paper

Submission Inbox

Options



Synchronising Data



Refresh Submissions

Enroll All Students

Show Entries

Search:

First Previous **1** 2 3 4 5 Next Last

Showing 1 to 10 of 47 entries.

Student Submission	Paper ID	Submitted	Similarity	Grade					
Shahzad, Hira - (0 Submissions)									
Virk, Muhammad Hammad - (0 Submissions)									
malik, bakhtawar - (0 Submissions)									
Mumtaz, Maria - (0 Submissions)									
Raza, Tehreem - (0 Submissions)									
John, Rohama - (0 Submissions)									
Rasool, Faisal - (0 Submissions)									
Javaid, Saad - (0 Submissions)									

Submission Inbox (an old submission inbox of one of my courses)

Shahid, Kanza - (1 Submission)			
Part 1: energy drinks	103672	13/11/18, 035%	
Mohsin, Hajra - (1 Submission)			
Part 1: Energy Drinks	104215	20/11/18, 031%	-/1
Naeem, Maryam - (1 Submission)			
Part 1: Assignment 1	104355	22/11/18, 130%	-/1
Baig, Uzma - (1 Submission)			
Part 1: Energy drinks. Assignment	104361	23/11/18, 029%	-/1
Behram, Fakiha - (1 Submission)			
Part 1: 19-10425	104315	21/11/18, 127%	-/1
Nadeem, Haris - (1 Submission)			
Part 1: hp supplements	104245	20/11/18, 123%	-/1
Shahid, Tabinda - (1 Submission)			
Part 1: Energy Drinks - What are these and how these affect your phy...	104211	20/11/18, 023%	-/1
Ashique, Mariyam - (1 Submission)			
Part 1: Assignment 1	104377	23/11/18, 121%	-/1

Percent similarity: You can click this to see a detailed report. See a sample on next slide.

Sample Report

Click on "Originality" to see report.

try the new Feedback Studio

Quick Submit Quick Submit - DUF 21-Dec-2099 Roadmap Paper 5 of 19

Originality GradeMark PeerMark Relationship of physical activity with obesity indicators and serum leptin level in a type 2 diabetic local population BY SABA BUTT turnitin 8% SIMILAR OUT OF 0

Relationship of physical activity with obesity indicators and serum leptin level in a type 2 diabetic local population

Saba Butt*^a and Abdul Majeed Cheema*^b

* Department of Zoology, University of the Punjab;
^a Forman Christian College (A Chartered University), Lahore;
^b University of Lahore, Lahore.

Abstract

Obesity is strong contributory factor in incidence and complications of type 2

Search QuickMark templates

Commonly Used

Comment Select text and click the Comment button to highlight text associated with a comment.

Awk. C/S Citation Needed

Commonly Confused Del.

Improper Citation Insert:

Missing " " P/V Run-on Sp.

Support Vague WC

Weak Transition

PAGE: 1 OF 16

Match Overview - Originality

Percent similarity

Quick Submit - DUE 31-Dec-2099

Originality GradeMark PeerMark

Relationship of physical activity with obesity indicators and serum leptin level in a type 2 diabetic local population

BY SABA BUTT

turnitin

8% SIMILAR

OUT OF 0

Match Overview

Rank	Match	Similarity
1	"Abstracts", Diabetes ... Publication	1%
2	Submitted to Universit... Student paper	1%
3	"Diabetes Mellitus", Ch... Publication	1%
4	www.chiroonline.net Internet source	1%
5	www.spanishexernet.c... Internet source	1%
6	www.bariatricnews.net Internet source	1%
7	odsalaska.com Internet source	1%
8	www.science.gov Internet source	1%

Relationship of physical activity with obesity indicators and serum leptin level in a type 2 diabetic local population

Saba Butt*^a and Abdul Majeed Cheema*^b

* Department of Zoology, University of the Punjab;

^a Forman Christian College (A Chartered University), Lahore;

^b University of Lahore, Lahore.

Abstract

Obesity is strong contributory factor in incidence and complications of type 2

PAGE: 1 OF 18

Text-Only Report

How to check individual matches?

Colors are used for showing matches

The screenshot displays the Turnitin interface. At the top, there are navigation tabs for 'Quick Submit', 'Quick Submit - DUE 31-Dec-2099', 'Roadmap', and 'Paper 5 of 19'. The document title is 'Relationship of physical activity with obesity indicators and serum leptin level in a type 2 diabetes' by SABA BUTT. The similarity score is 8% (SIMILAR). The document text includes a highlighted match: 'incidence and complications of type 2 diabetes'. A 'Match Overview' panel on the right lists 4 matches, with the first match being 'Abstracts', Diabetes ...' at 1%.

Obesity is strong contributory factor in **incidence and complications of type 2 diabetes** and other degenerative disorders. Physical inactivity is associated with obesity and hormone levels. Current study was planned to investigate relationship of physical inactivity with obesity indicators and leptin levels in type 2 diabetics. Type 2 diabetes patients (n = 112) visiting public hospitals of Lahore participated in this study. Anthropometric measures and physical activity were recorded using a structured questionnaire. Leptin levels were measured using ELISA. Statistical analysis was carried out to relate parameters of physical activity, obesity indicators and leptin levels. Results showed that type 2 diabetic subjects demonstrate

Match Overview

Match Number	Match Description	Similarity Percentage
1	"Abstracts", Diabetes ... Publication	1%
2	Submitted to Universit... Student paper	1%
3	"Diabetes Mellitus", Ch... Publication	1%
4	www.chiroonline.net Internet source	1%
5	www.spanishxernet.c... Internet source	1%
6	www.bariatricnews.net Internet source	1%
7	odsalaska.com Internet source	1%
8	www.science.gov Internet source	1%

Another Example of Color Coding or Match Overview

The screenshot displays the Turnitin interface for a document titled "Relationship of physical activity with obesity indicators and serum". The document text includes a paragraph with several phrases highlighted in purple and green. A blue circle highlights the phrase "metabolic syndrome and type 2 diabetes mellitus" in the text, with a blue arrow pointing to it from the Match Overview panel. The Match Overview panel on the right shows a list of matches, with the third match, "Diabetes Mellitus", Ch...", circled in blue. The overall similarity score is 8%.

Originality GradeMark PeerMark

turnitin 8% SIMILAR OUT OF 0

BY SABA BUTT

hypertension, cardiovascular diseases, metabolic syndrome and type 2 diabetes mellitus, (Fletcher *et al.*, 2002; Lee *et al.*, 2002; Wilding *et al.*, 2002). Nyamdorj *et al.* (2010) showed that BMI and central obesity are indicators of incidence of diabetes in Mauritius. Obesity is strongly associated with degenerative diseases like diabetes, hypertension, cardiovascular diseases and more. Decoda study group *et al.*, (2008) showed that obesity indicators including BMI and central obesity demonstrate a relationship with type 2 diabetes. Qiao and Nyamdorj (2010) demonstrated that BMI and central obesity are predictors of diabetes independently. Type 2 diabetes is one of the most prevalent disorders associated with obesity and physical inactivity. Physical activity is also connected with glycaemic control hence improve the hyperglycemic situation that exist in type 2

Match Overview 2 matches

1	"Abstracts", Diabetes R... Publication	1%
2	Submitted to University... Student paper	1%
3	"Diabetes Mellitus", Ch... Publication	1%
4	www.chiroonline.net Internet source	1%
5	www.spanishexernet.c... Internet source	1%
6	www.bariatricnews.net Internet source	1%
7	odsalaska.com	1%

PAGE: 3 OF 16

Text-Only Report

Matches that may be removed

Quick Submit Quick Submit - DUE 31-Dec-2099 Roadmap Paper 5 of 19

Originality GradeMark PeerMark

Relationship of physical activity with obesity indicators and serum
BY SABA BUTT

turnitin 8% SIMILAR -- OUT OF 0

kilograms by height in meters square. **5** waist to hip ratio was computed as waist circumference (cm) with hip circumference (cm). Waist to height ratio was computed by dividing waist circumference by height, both taken in centimeters. Serum leptin was estimated using Enzyme-linked Immunosorbent Assay (ELISA) in a selective group of patients using commercially available ELISA kit prepared by Diagnostic Automation Inc, USA (Cat# 1742-6) following the protocol described in the kit (sandwich ELISA).

Subject Grouping:

4 Subjects were divided into groups according to **8** BMI, Waist to Hip Ratio (WHR), Waist to Height Ratio (WHIR) and various aspects of physical activity. Categories of BMI, waist circumference, WHiR and WHR were followed from WHO report published in 2000. A BMI of 30 and above considered as obese, 25-30 as overweight, 18.5-24.9 as normal weight and less than 18.5 as underweight. **7** A WHR of more than or equal to 0.8 was considered as at risk while below 0.8 was

Teacher can decide which matches may be removed. See an example here.

To remove a source, click it and Exclude button will appear on the bottom. Please see next slide.

Match Overview

1 match

1	"Abstracts", Diabetes R... Publication	1%
2	Submitted to University... Student paper	1%
3	"Diabetes Mellitus", Ch... Publication	1%
4	www.chiroonline.net Internet source	1%
5	www.spanishexernet.c... Internet source	1%
6	www.bariatricnews.net Internet source	1%
7	odsalaska.com	1%

PAGE: 5 OF 16 Text-Only Report

Exclude Resource Using Filters

Quick Submit | Quick Submit - DUE 31-Dec-2099 | Saving... | Roadmap | Paper 5 of 19

Originality | GradeMark | PeerMark | Relationship of physical activity with obesity indicators and serum leptin level in a type | turnitin | 8% SIMILAR | -- OUT OF 0

BY SABA BUTT

Saba Butt*^a and Abdul Majeed Cheema*^b

* Department of Zoology, University of the Punjab;

^a Forman Christian College (A Chartered University), Lahore;

^b University of Lahore, Lahore.

Publication | Full Source View | "Abstracts", Diabetes Research and Clinical Practice, 200205

Absti

Obesity is strong contributory factor in ¹incidence and complications of type 2 diabetes, and other degenerative disorders. Physical inactivity is associated with obesity and hormone levels. Current study was planned to investigate relationship of physical inactivity with obesity indicators and leptin levels in type 2 diabetics. Type 2 diabetes patients (n = 112) visiting public hospitals of Lahore participated in this study. Anthropometric measures and physical activity were recorded using a

Match Breakdown

1	"Abstracts", Diabetes ... Publication	1%
Match 1 of 4		
•	"Abstracts", Diabetes Re... Publication	1%

Exclude Sources

PAGE: 1 OF 18

Exclude selected resource.

Excluded Sources May be Restored

The screenshot displays a Turnitin report for a document titled "Relationship of physical activity with obesity indicators and serum" by SABA BUTT. The report shows a similarity score of 8%. On the right side, an "Excluded Sources" panel is visible, listing three items: "Submitted to Higher Education Com...", "submitted_work". Each item has a checkmark in a box. A red circle highlights this panel. Below the panel are buttons for "Restore (3)" and "Restore All". A blue text box with a white border contains the text: "You can also restore any excluded resource if you want it to be added later using the round button with a diagonal line." A yellow arrow points from the text box to the "Restore (3)" button, and a red arrow points from the text box to a circular icon with a diagonal line in the bottom right corner of the interface.

Originality GradeMark PeerMark

Relationship of physical activity with obesity indicators and serum
BY SABA BUTT

turnitin 8% SIMILAR -- OUT OF 0

5 kilograms by height in meters square. **waist to hip ratio** was computed as **waist circumference (cm)** with **hip circumference (cm)**. **Waist to height ratio** was computed by dividing waist circumference by height, both taken in centimeters. Serum leptin was estimated using Enzyme-linked Immunosorbent Assay (ELISA) in a selective group of patients using commercially available ELISA kit prepared by Diagnostic Automation Inc, USA (Cat# 1742-6) following the protocol described in the kit (sandwich ELISA).

Subject Grouping:

Subjects were divided into groups according to BMI, Waist to Hip Ratio (WHR), Waist to Height Ratio (WHiR) and various aspects of physical activity. Categories of BMI, waist circumference, WHiR and WHR were followed from WHO report published in 2000. A BMI of 30 and above considered as obese, 25-30 as overweight, 18.5-24.9 as normal weight and less than 18.5 as underweight. A WHiR of more than or equal to 0.8 was considered as at risk while below 0.8 was

Excluded Sources


- Submitted to Higher Education Com...
submitted_work
- Submitted to Higher Education Com...
submitted_work
- Submitted to Higher Education Com...
submitted_work

Restore (3) Restore All

PAGE: 5 OF 18

Text-Only Report

You can also restore any excluded resource if you want it to be added later using the round button with a diagonal line.



For any Turnitin related issue or query, kindly contact the Turnitin Administrator Mr. Suleman Khairullah 'sulemankhairullah@fccollege.edu.pk'.



Thank You!