



Participation of Myanmar Females in Science and Arts : Gender Impact of Science and Arts at University of Yangon

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ABSTRACT

Once ago, especially in education, Myanmar females have been kept at home for looking after younger siblings and older people so most of Myanmar females in the previous time were illiterate. However, at present, they have better opportunities of enrollment in education. In this present study of education in Myanmar, compared to the ratio of Myanmar population, more women than men, are found in most of the educational sectors as not only the learners of higher education, but also as the outstanding scientists as well as professionals. The main targeted groups of concern in gender analysis are both science and arts of teaching staff as well as researchers and outstanding undergraduate students in University of Yangon, Yangon, Myanmar between 2013 and 2015. Resembling the dominance of women in our country's population, the female educators in our university also outweigh these of males in almost all of the sectors even though most of the top administrators are men. All in all, most of the males in the majority of the professional institutes have much better opportunities in enrolling these institutes or universities. Thus, males have better opportunities regarding with their matriculation marks for university entrees in almost all fields of studies in any institutes.

Keywords: Myanmar, females, illiterate, education, researchers



OUTLINE

- ❖ BACKGROUND OF MYANMAR
- ❖ EDUCATIONAL SYSTEM IN MYANMAR
- ❖ TEACHING STAFF AND STUDENTS AT
UNIVERSITY OF YANGON
- ❖ CONCLUSION
- ❖ REFERENCES



MYANMAR



Myanmar Country Map



LOCATION

latitudes 09°32' and 28°31' N
longitudes 92°10' and 101°11' E

AREA

261228 square miles
(~676,578 square kilometres)

LAND AREA

The **largest** country in **Southeast Asia**

POPULATION

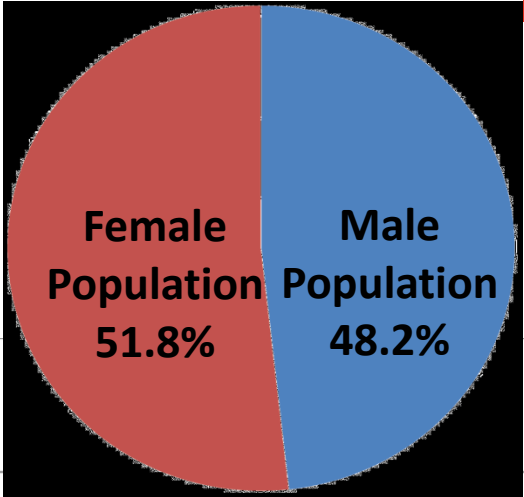
The **fifth** largest country

STANDARD TIME

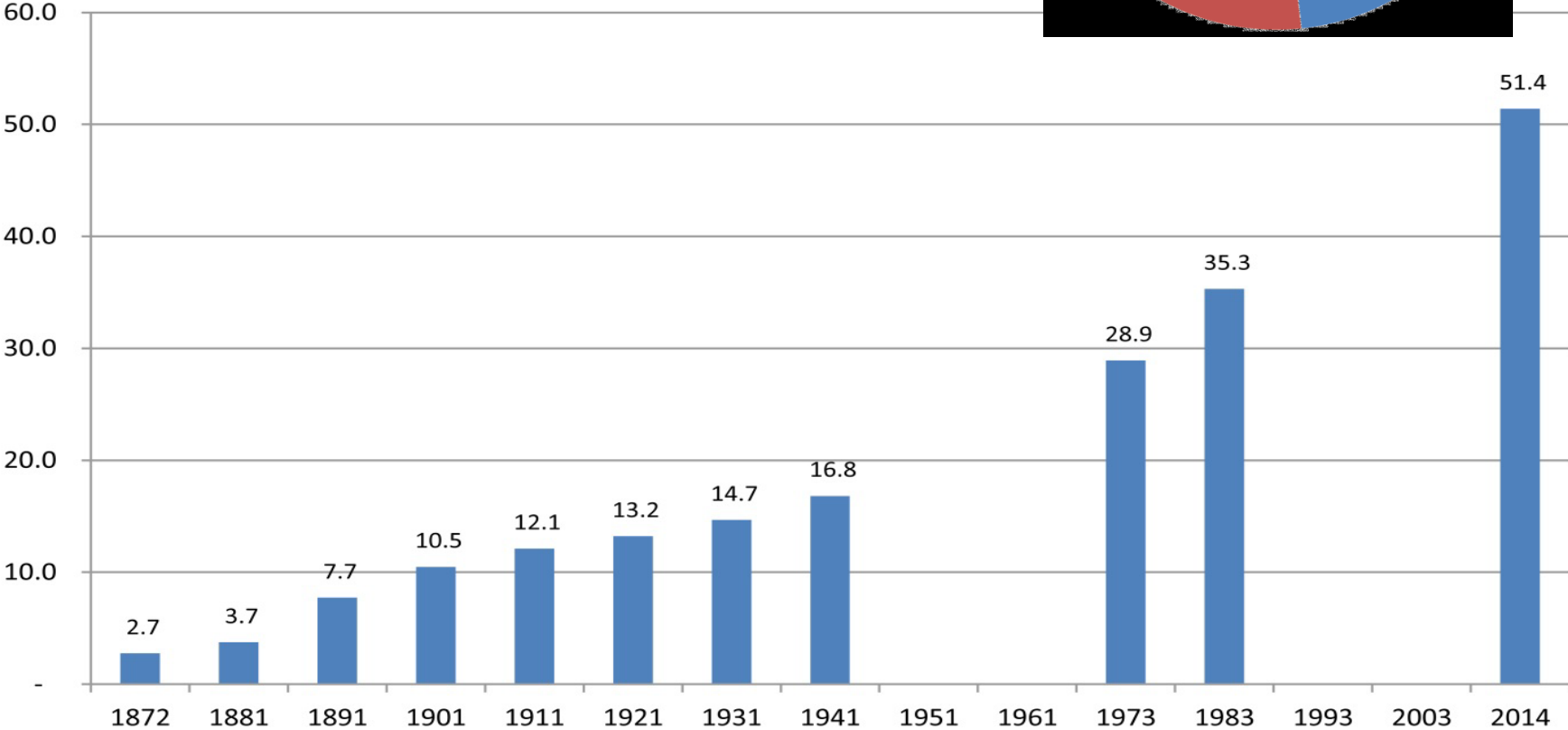
six hours and thirty minutes ahead of GMT



2014 CENSUS
Females - 26,598,244
Males - 24,821,176



Population (Million)





MYANMAR

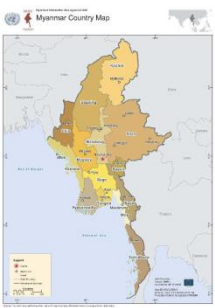
Summary Statistics

Region	South-Eastern Asia
Currency	Kyat (MMK)
Surface area (square kilometres)	676578
Population in 2012 (estimated, 000)	52797
Population density in 2012 (per square kilometre)	78.0
Capital city and population in 2011 (000)	Nay Pyi Taw (1060)
United Nations membership date	19 April 1948



Myanmar Population 2015

- ❑ Burma, or the Republic of the Union of Myanmar shortened to Myanmar, is a sovereign state in [Southeast Asia](#).
- ❑ Myanmar is the 24th most populous country in the world, and the 40th largest country by area, with an estimated population of 53.7 million.



GENERAL SITUATION OF WOMEN IN MYANMAR

The Status of Women in Myanmar

- ❖ has always been high since the days of Pyu Kingdom (from 5th to 9th Century A D)
- ❖ no social inequalities can be discerned between men and women
- ❖ no discrimination based on culture, class or colour although there are regional differences based on local customs
- ❖ From childhood, young Myanmar girls are trained to undertake work in and around the house

STRUCTURE AND ORGANIZATION OF THE EDUCATION SYSTEM

Myanmar: Structure of the Education (2015)

Education Structure

BASIC EDUCATION

Age	5+	6+	7+	8+	9+	10+	11+	12+	13+	14+	15+
Grade	1	2	3	4	5	6	7	8	9	10	11
	Primary					Middle			High		

HIGHER EDUCATION

Computer Science

Economics

Education

Nursing

Paramedical

Pharmaceutical

Community Health

Veterinary Science

Agriculture

Forestry

Dental

Engineering

Medicine

UNIVERSITIES AND COLLEGES

Arts and Science Universities

Degree Colleges

University of Distance Education

University (Law)

1st Degree / (Honours)

Post Graduate Degrees Master /M. Res

Doctorate Degrees



EDUCATION

Years of schooling

Primary - 5
secondary (lower) - 4
secondary (Higher) - 2

→ eleven years

Basic Education High School Examination

Total Number of Students Completing Secondary School
(46.8% Are Females)

Institutes of Higher Education



EDUCATION OF MYANMAR WOMEN

PREVIOUS

- ❖ Girls were kept at home to do the housework and to look after younger siblings
- ❖ the ability to read and write was considered “ornamental” and most of Myanmar women were illiterate
- ❖ "Education for All" by the Year 2000

AT PRESENT

- ❖ no gender gap at any level in the developing regions



Education

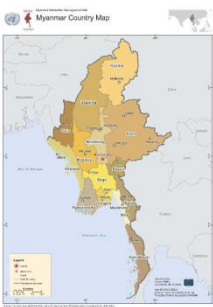
- The schools in Myanmar are basically "**FEMININE SETTINGS** "
- Most teachers are **women**

According to the statistics from **DBE**

% OF WOMEN TEACHERS

Primary	-	72.9%
Secondary (Lower)	-	72.9%
Secondary (Higher)	-	70.5%

DBE = Department of Basic Education



Myanmar Female Participations in Science



❖ participation of Myanmar females have been increasing in education



VISION AND MISSION

'To create an education system that will generate a learning society capable of facing the challenges of the Knowledge Age'

MOTTO

'To Build a Modern Developed Country Through Education'

RATE OF FEMALE PARTICIPATION IN SCIENCE (31-12-2013)

UNIVERSITY OF YAGON(SUMMARY OF TEACHING STAFF IN SCIENCE) (31-12-2013)													
No	DEPARTMENT	PROFESSORS		ASSOCIATE PROFESSORS		LECTURERS		ASSISTANT LECTURERS		DEMONSTRATORS/TUTOR		TOTAL	
		MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
1	CHEMISTRY	0	5	0	4	4	44	2	20	1	1	7	74
2	PHYSICS	0	2	4	2	4	33	4	34	4	3	16	74
3	MATHEMATICS	1	1	3	3	3	22	1	6	0	0	8	32
4	ZOOLOGY	0	2	0	3	0	29	2	31	2	13	4	78
5	BOTANY	1	2	2	4	3	22	1	35	0	6	7	69
6	GEOLOGY	3	0	0	0	1	2	4	4	0	0	8	6
7	INDUSTRIAL CHEMISTRY	0	2	0	0	0	4	0	3	0	3	0	12
8	COMPUTER SCIENCE	0	0	0	1	1	1	0	6	0	0	1	8
9	METERIOLOGY	0	0	0	0	0	0	0	0	0	0	0	0
10	BOIOTECH	0	0	0	0	0	0	0	0	0	0	0	0
11	ECONOMICS	0	0	0	0	0	0	0	0	0	0	0	0
12	ENVIRONMENTAL	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	5	14	9	17	16	320	14	139	7	26	51	353

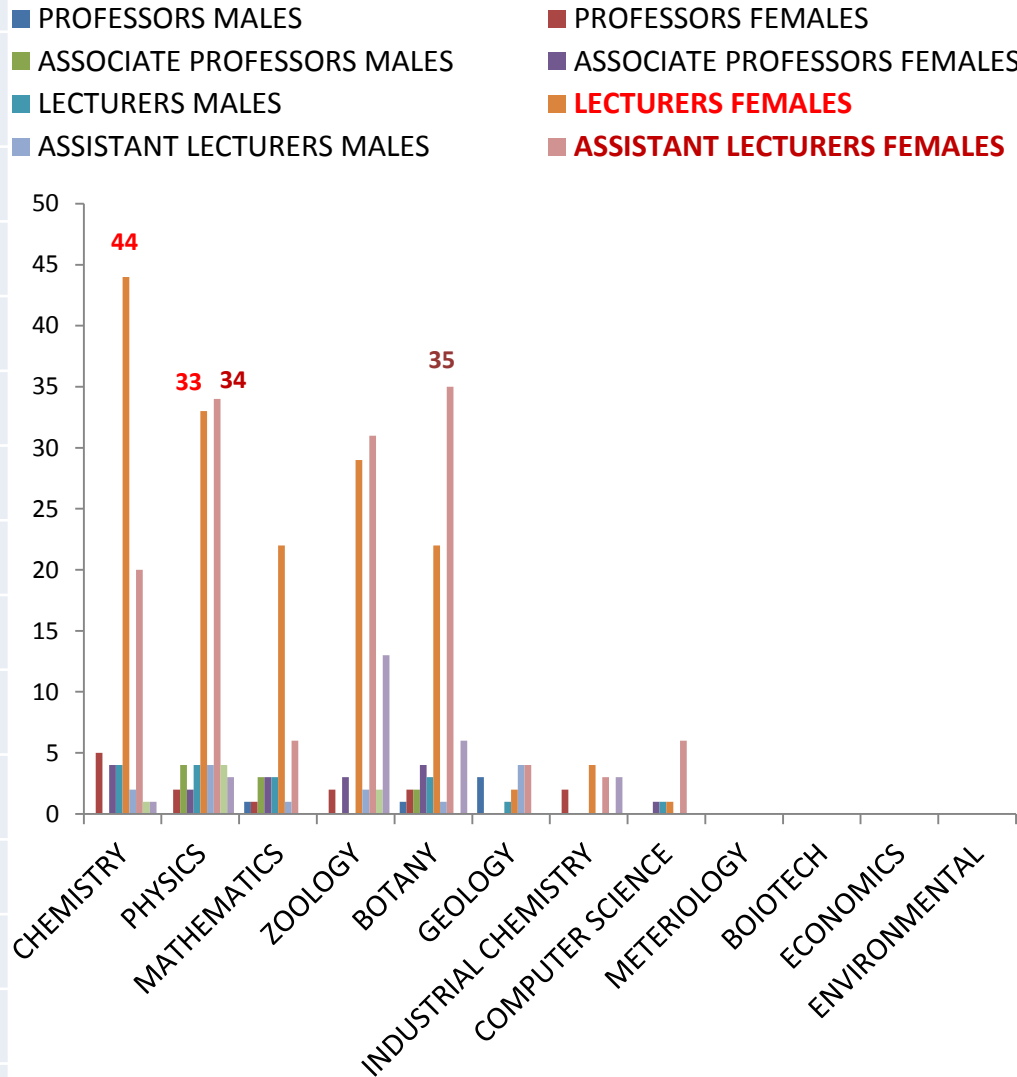


Figure:1 Rate of Female Participation in Science (31-12-2013)

RATE OF FEMALE PARTICIPATION IN ARTS (31-12-2013)

UNIVERSITY OF YAGON(SUMMARY OF TEACHING STAFF IN ARTS) (30-6-2013)													
No	DEPARTMENT	PROFESSORS		ASSOCIATE PROFESSOR		LECTURER		ASSISTANT LECTURER		DEMONSTRATORS/TUTORS		TOTAL	
		MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES	MALES	FEMALES
1	MYANMAR	1	0	1	3	4	18	2	12	0	3	8	36
2	ENGLISH	0	3	0	1	3	11	0	15	0	1	3	31
3	GEOGRAPHY	2	0	0	2	2	22	0	6	0	1	4	31
4	HISTORY	0	3	0	4	3	27	2	13	0	2	5	49
5	PHILOSOPHY	0	2	0	0	2	5	0	0	0	1	2	8
6	PSYCHOLOGY	0	1	0	0	1	2	2	0	0	0	3	3
7	LAW	0	3	0	0	1	6	0	2	0	4	1	15
8	ORIENTAL SCIENCE	0	1	0	0	0	3	0	2	0	1	0	7
9	INTERNATIONAL RELATIONSHIP	0	3	0	1	0	9	3	6	0	6	3	25
10	ANTHROPOLOGY	0	1	0	2	0	5	0	3	0	0	0	11
11	ARCHAEOLOGY	1	0	0	0	0	0	5	2	1	1	7	3
12	LIBRARY AND LITERATURE	0	0	0	0	1	7	1	4	0	0	2	11
	TOTAL	4	17	1	13	17	115	15	65	1	20	38	230

- PROFESSORS MALES
- ASSOCIATE PROFESSORS MALES
- LECTURERS MALES
- ASSISTANT LECTURERS MALES
- DEMONSTRATORS/TUTORS MALES
- PROFESSORS FEMALES
- ASSOCIATE PROFESSORS FEMALES
- LECTURERS FEMALES
- ASSISTANT LECTURERS FEMALES
- DEMONSTRATORS/TUTORS FEMALES

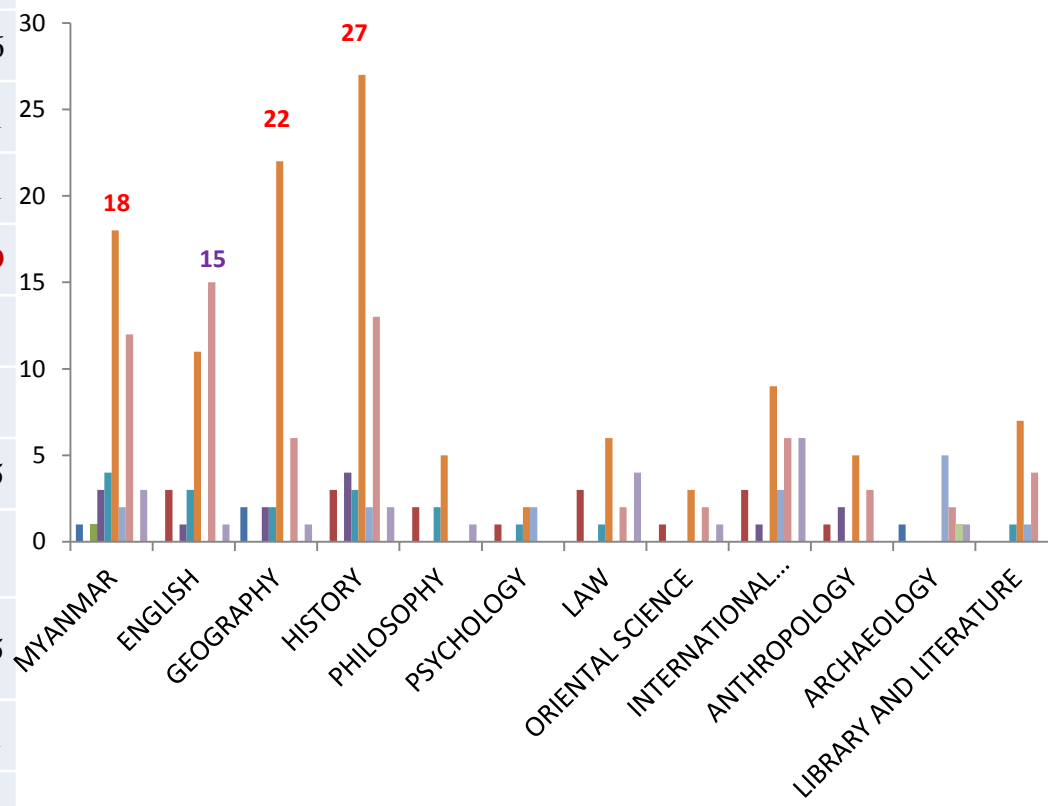


Figure:2 Rate of Female Participation in Arts (31-12-2013)

PROFESSORS		
	MALES	FEMALES
MYANMAR	1	1
ENGLISH	0	3
GEOGRAPHY	1	1
HISTORY	0	3
PHILOSOPHY	0	2
PSYCHOLOGY	0	2
LAW	0	3
ORIENTAL SCIENCE	0	2
INTERNATIONAL RELATIONSHIP	0	3
ANTHROPOLOGY	0	2
ARCHAEOLOGY	1	9
LIBRARY AND LITERATURE	0	9
CHEMISTRY	0	5
PHYSICS	0	2
MATHEMATICS	0	2
ZOOLOGY	0	2
BOTANY	1	2
GEOLOGY	2	0
INDUSTRIAL CHEMISTRY	0	2
COMPUTER SCIENCE	0	0
METERIOLOGY	0	0
BOIOTECH	0	0
ECONOMICS	0	0
ENVIRONMENTAL	0	0

Professor Numbers of Each Department of Science and Arts in University of Yangon (31-12-2013)

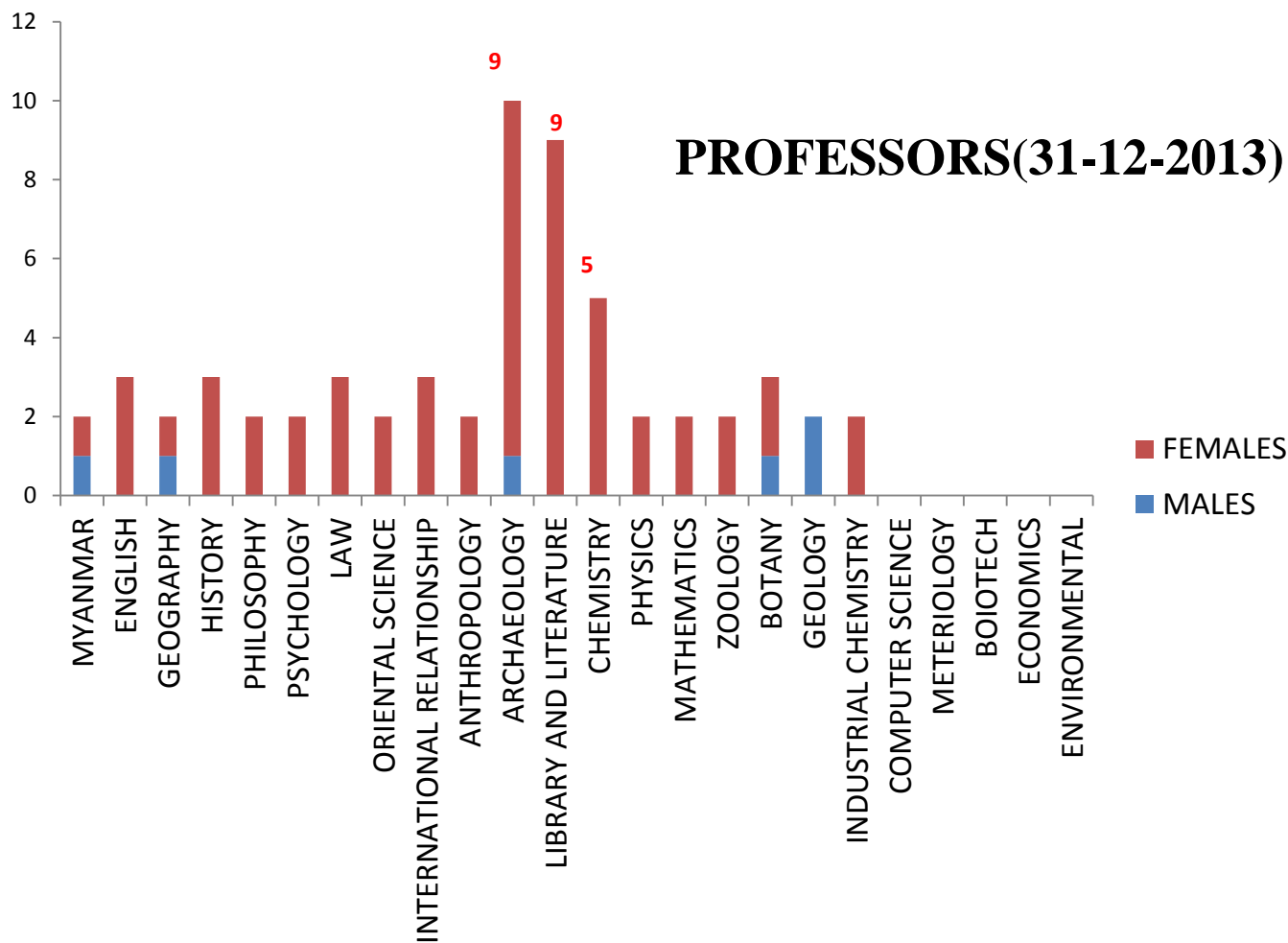


Figure:3 Number of Professors in each department of Science and Arts at University of Yangon (31-12-2013)

UNIVERSITY OF YAGON

(SUMMARY OF TEACHING STAFF IN **SCIENCE AND ARTS**) (31-12-2013)

- PROFESSORS MALES
- ASSOCIATE PROFESSORS FEMALES
- ASSISTANT LECTURERS MALES
- DEMONSTRATORS/TUTORS FEMALES
- PROFESSORS FEMALES
- LECTURERS MALES
- ASSISTANT LECTURERS FEMALES
- ASSOCIATE PROFESSORS MALES
- LECTURERS FEMALES
- DEMONSTRATORS/TUTORS MALES

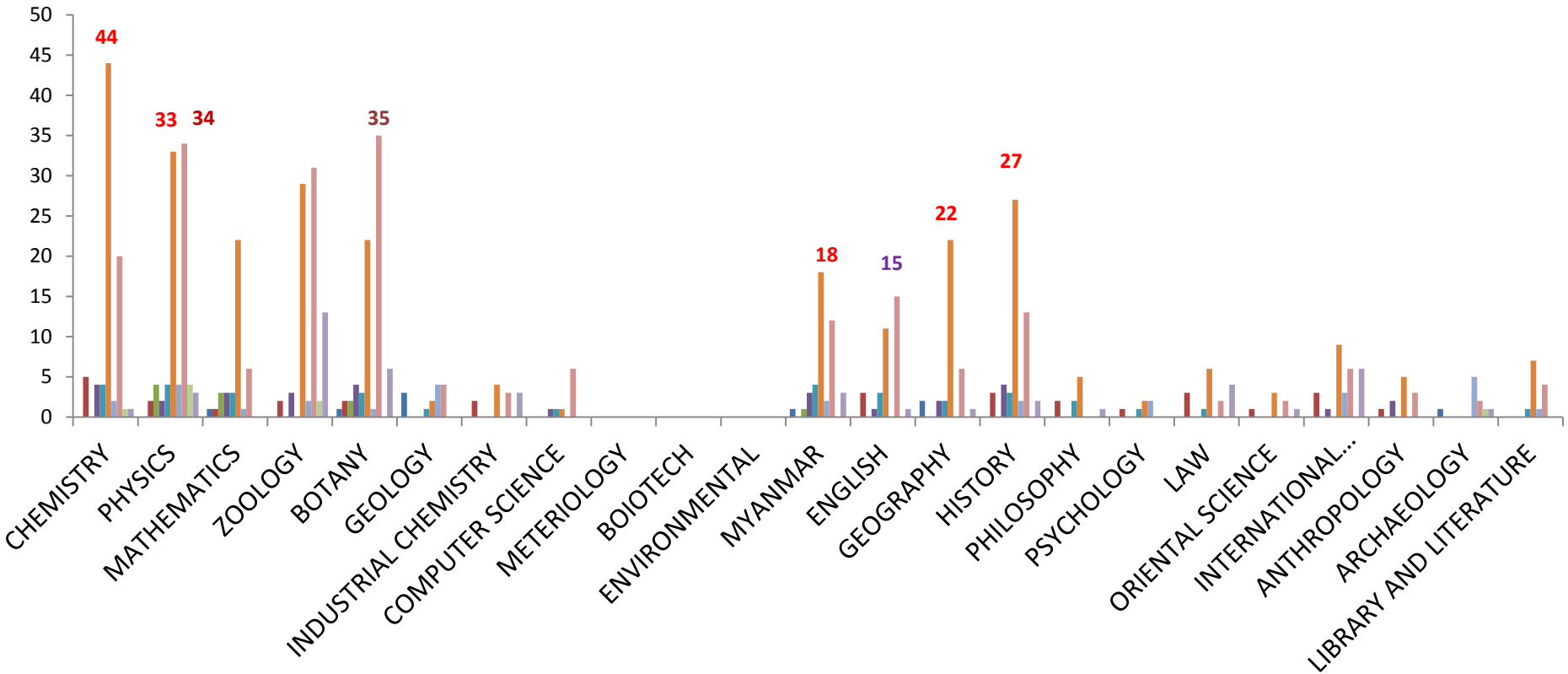


Figure:4 Summary of Teaching Staff in **Science and Arts at University of Yangon (31-12-2013)**

UNIVERSITY OF YAGON

(SUMMARY OF TEACHING STAFF IN **SCIENCE AND ARTS**) (31-12-2014)

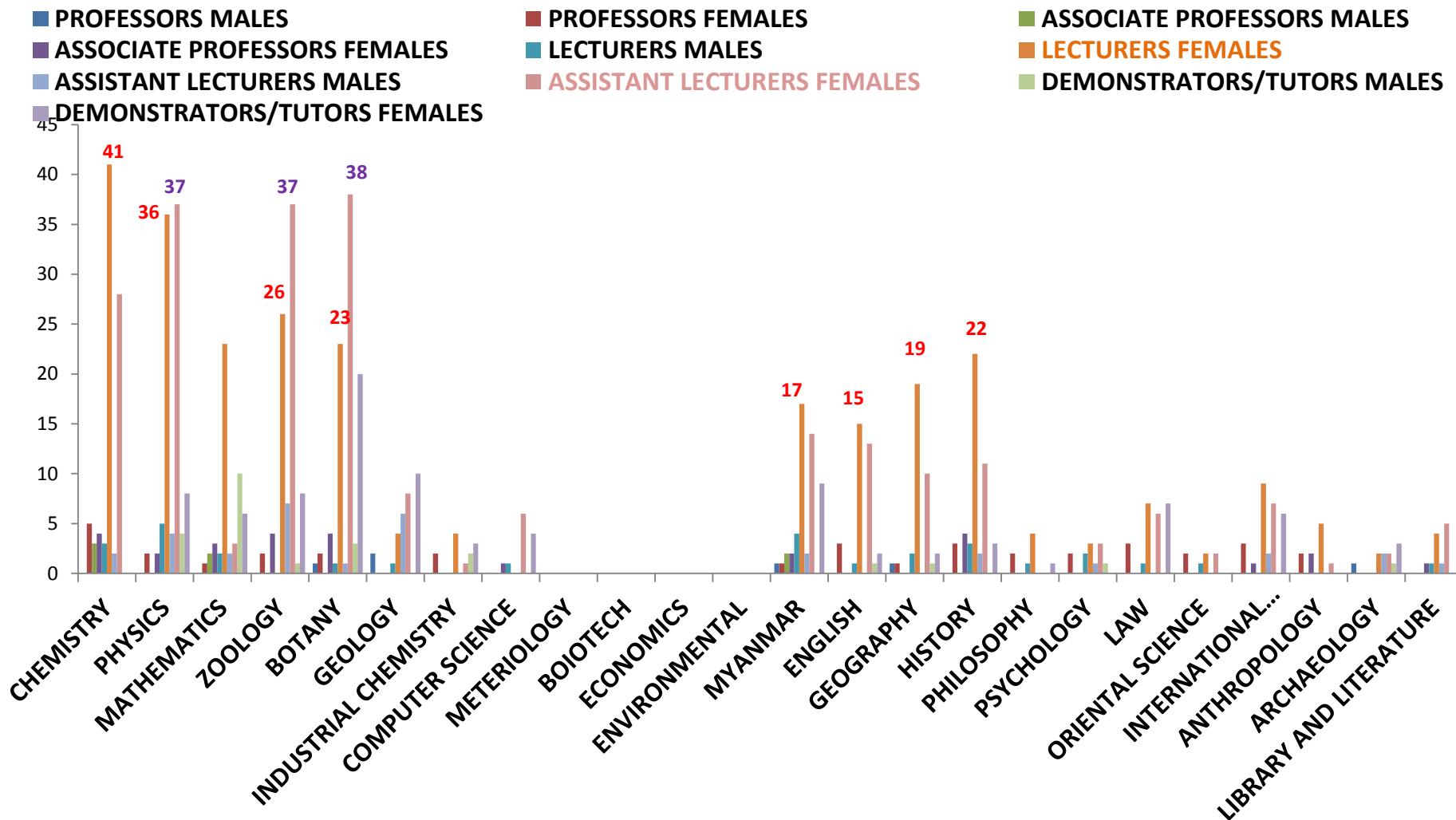


Figure:5 Summary of Teaching Staff in **Science and Arts** at University of Yangon (31-12-2014)

UNIVERSITY OF YAGON(SUMMARY OF FEMALE TEACHING STAFF IN SCIENCE AND ARTS)(31-12-2014)

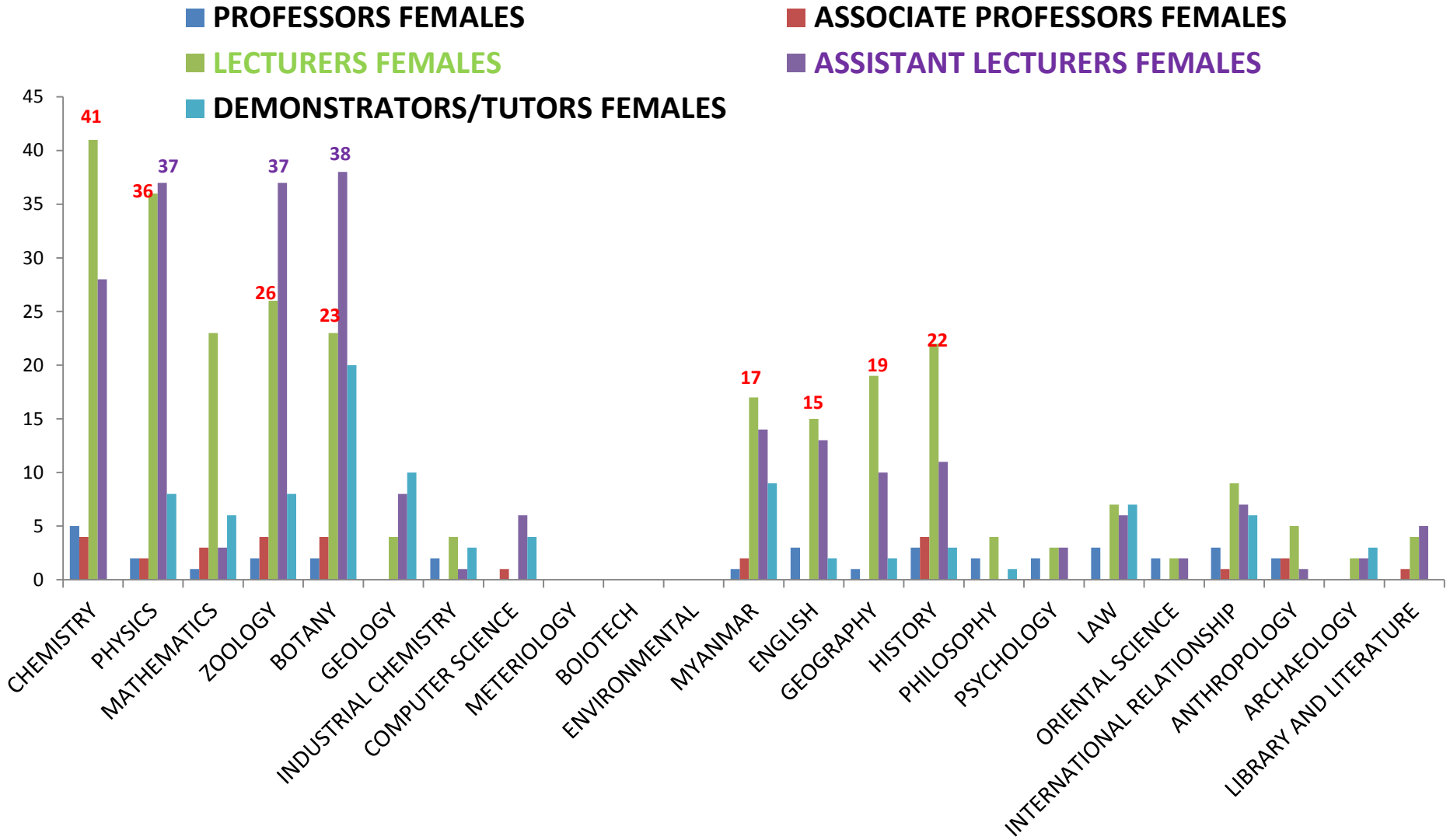


Figure:6 Summary of Female Teaching Staff in Science and Arts at University of Yangon (31-12-2014)

UNIVERSITY OF YAGON (SUMMARY OF TEACHING STAFF IN **SCIENCE AND ARTS**) (30-6-2015)

- PROFESSORS MALES
- ASSOCIATE PROFESSORS MALES
- LECTURERS MALES
- ASSISTANT LECTURERS MALES
- DEMONSTRATORS/TUTORS MALES
- PROFESSORS FEMALES
- ASSOCIATE PROFESSORS FEMALES
- LECTURERS FEMALES
- ASSISTANT LECTURERS FEMALES
- DEMONSTRATORS/TUTORS FEMALES

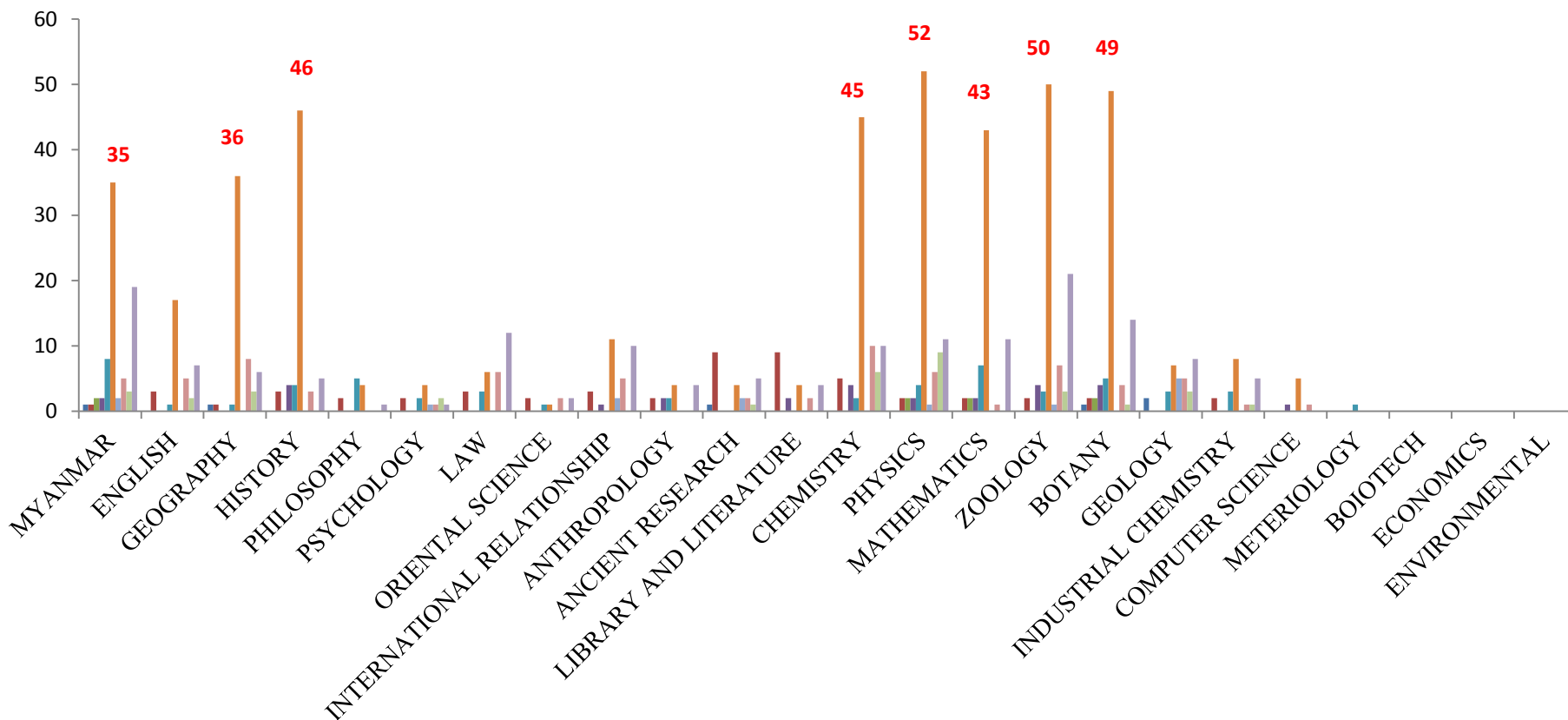
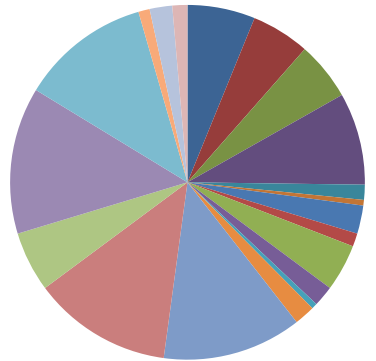


Figure:7 Summary of Teaching Staff in **Science and Arts at University of Yangon (30-6-2015)**

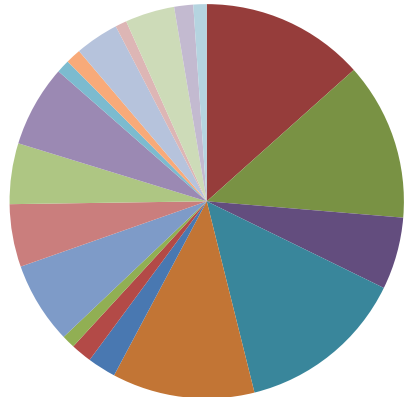
FEMALE PARTICIPATION AS TEACHING STAFF AT YANGON UNIVERSITY

2013 FEMALES

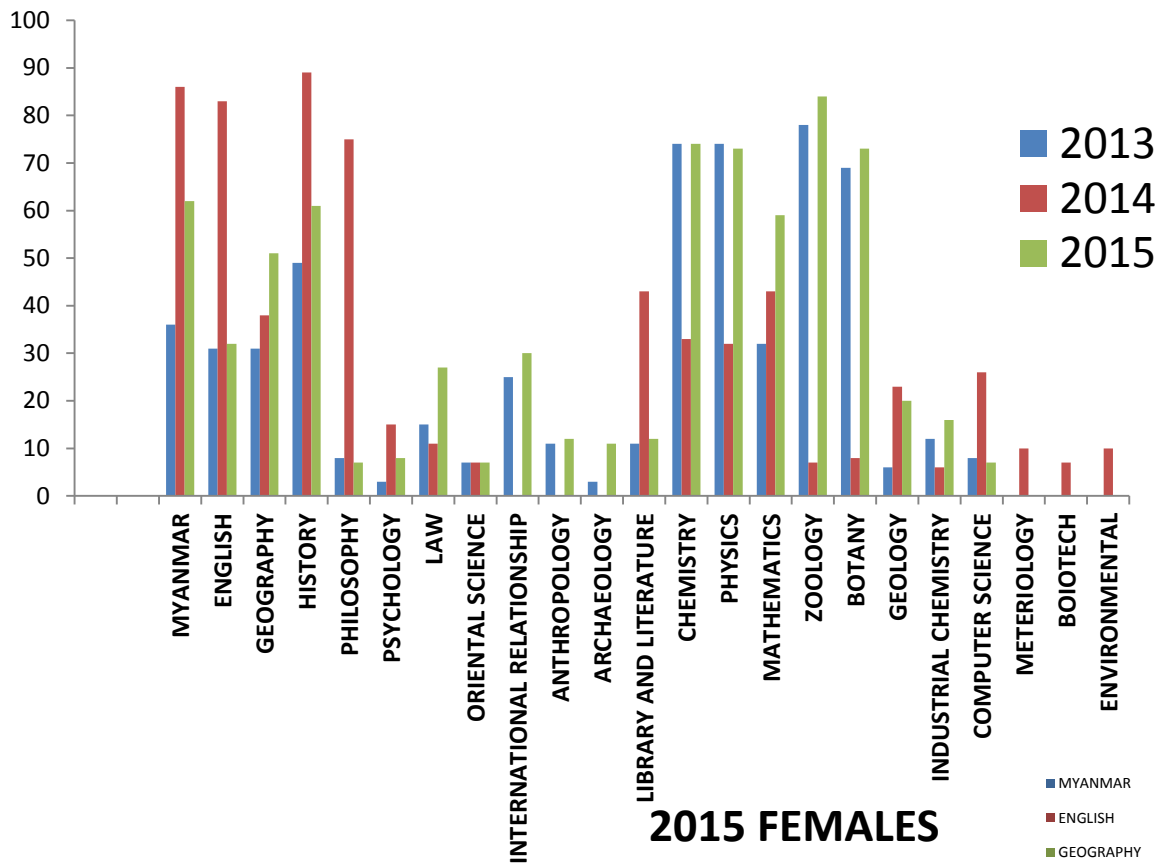


- MYANMAR
- ENGLISH
- GEOGRAPHY
- HISTORY
- PHILOSOPHY
- PSYCHOLOGY
- LAW
- ORIENTAL SCIENCE
- INTERNATIONAL RELATIONSHIP
- ANTHROPOLOGY
- ARCHAEOLOGY
- LIBRARY AND LITERATURE
- CHEMISTRY
- PHYSICS
- MATHEMATICS
- ZOOLOGY
- BOTANY
- GEOLOGY
- INDUSTRIAL CHEMISTRY
- COMPUTER SCIENCE
- METERIOLOGY
- BOIOTECH
- ENVIRONMENTAL

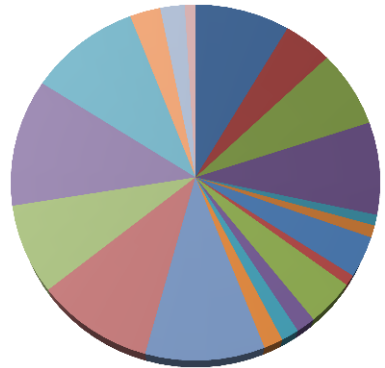
2014 FEMALES



- MYANMAR
- ENGLISH
- GEOGRAPHY
- HISTORY
- PHILOSOPHY
- PSYCHOLOGY
- LAW
- ORIENTAL SCIENCE
- INTERNATIONAL RELATIONSHIP
- ANTHROPOLOGY
- ARCHAEOLOGY
- LIBRARY AND LITERATURE
- CHEMISTRY
- PHYSICS
- MATHEMATICS
- ZOOLOGY



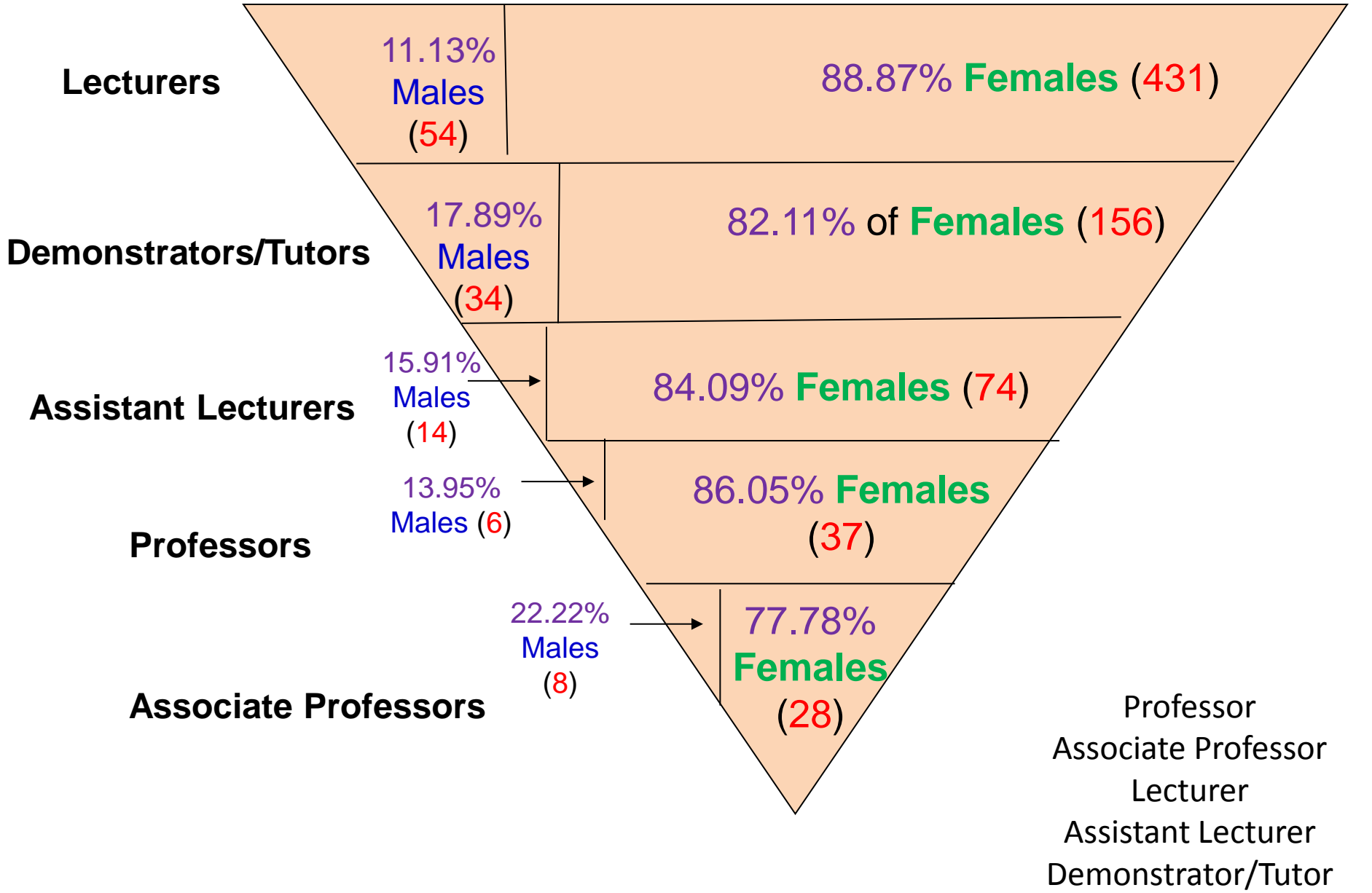
2015 FEMALES



- MYANMAR
- ENGLISH
- GEOGRAPHY
- HISTORY
- PHILOSOPHY
- PSYCHOLOGY
- LAW
- ORIENTAL SCIENCE
- INTERNATIONAL RELATIONSHIP
- ANTHROPOLOGY
- ARCHAEOLOGY
- LIBRARY AND LITERATURE
- CHEMISTRY
- PHYSICS
- MATHEMATICS

Figure:8 Summary of Female Teaching Staff in Science and Arts at University of Yangon Between 2013 and 2015

The Educational Pathway for Teaching Staff at University of Yangon(2015)



Professor
 Associate Professor
 Lecturer
 Assistant Lecturer
 Demonstrator/Tutor



STUDENTS' PROFILE

AT

UNIVERSITY OF YANGON

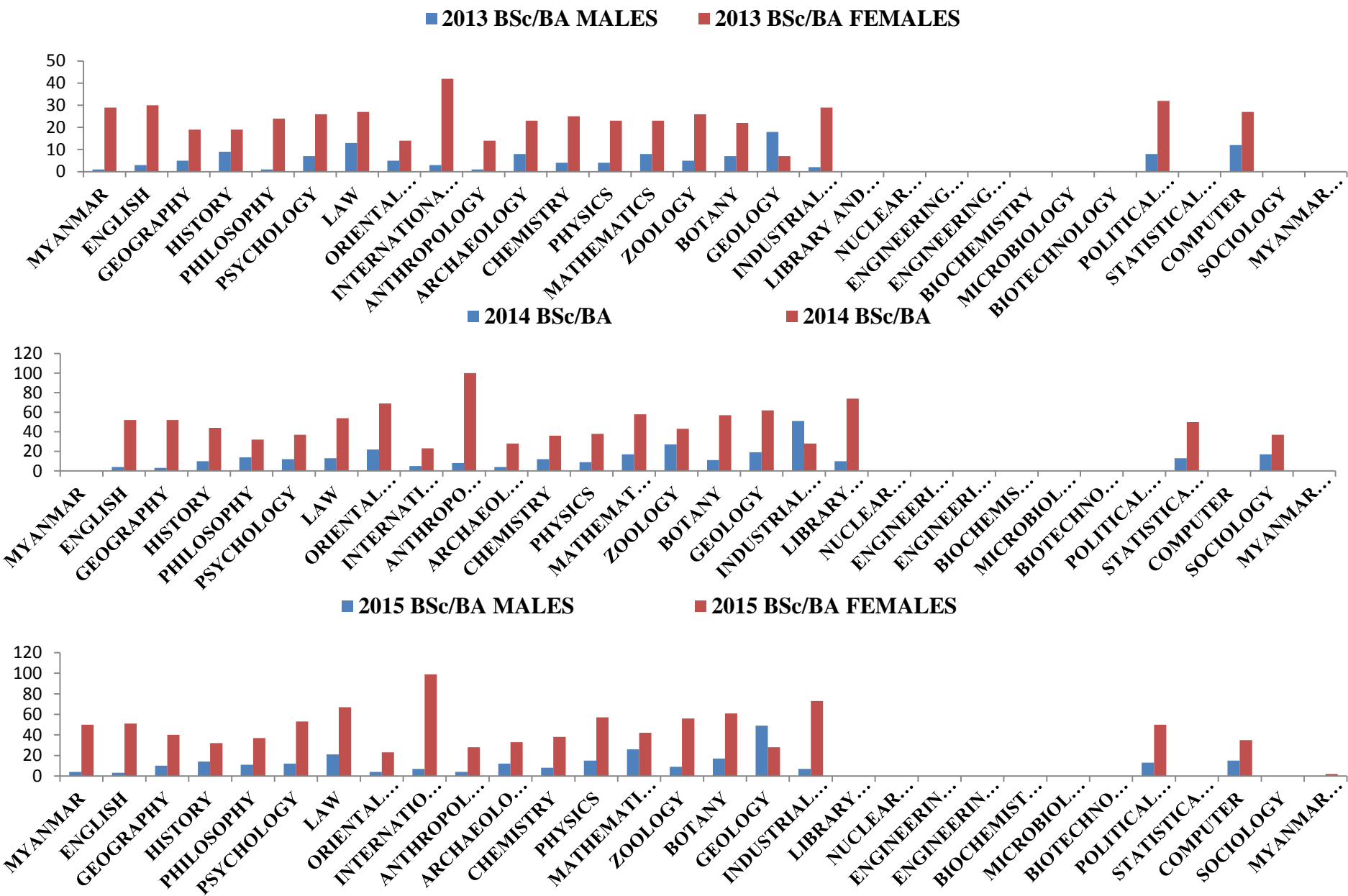


Figure:9 Summary of Undergraduate Students in Science and Arts at University of Yangon in 2013, 2014 and 2015

PhD Students at University of Yangon (2013, 2014, 2015)

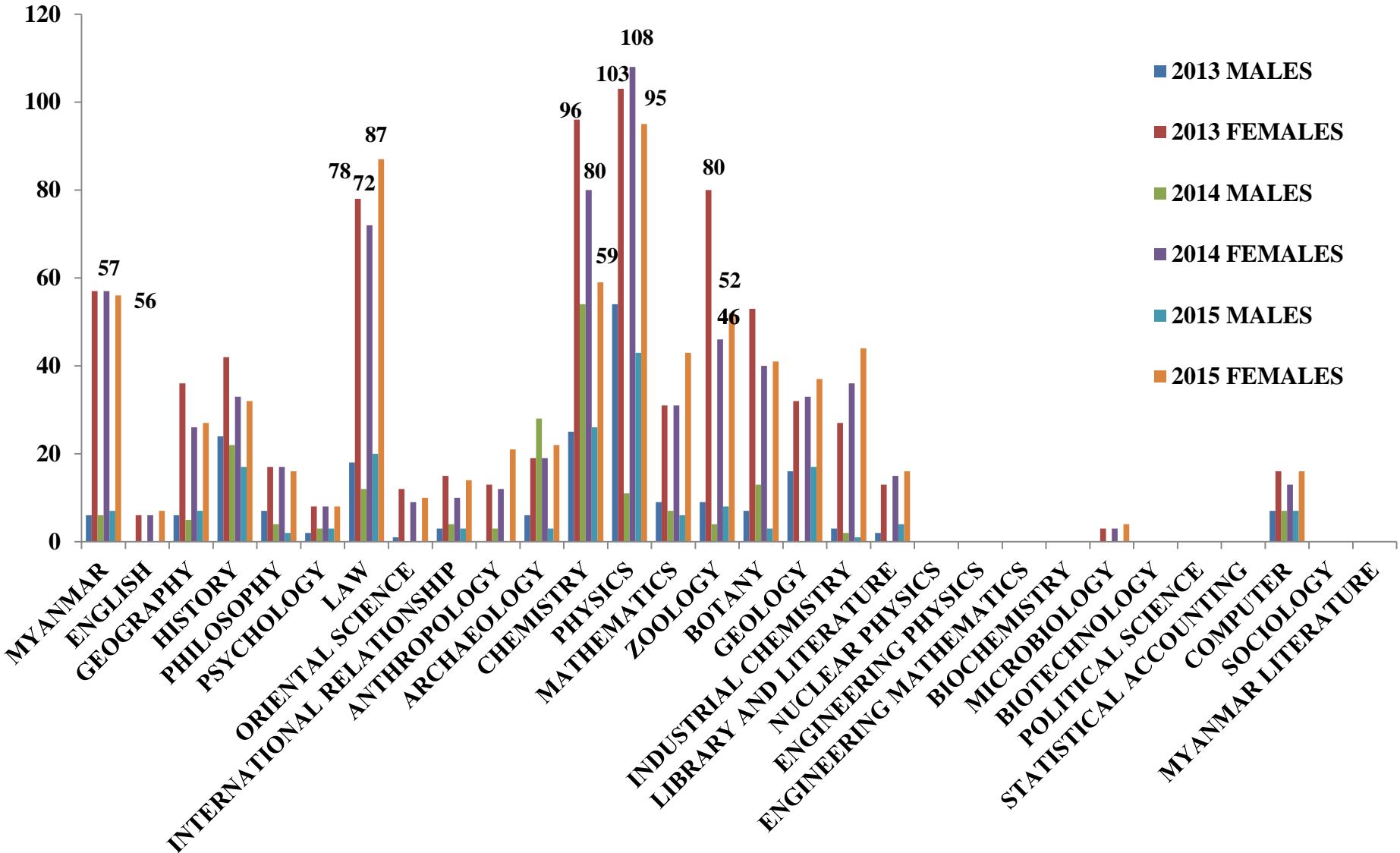


Figure:10

Summary of PhD Students in Science and Arts at University of Yangon in 2013, 2014 and 2015

Female PhD Students at University of Yangon (2013, 2014, 2015)

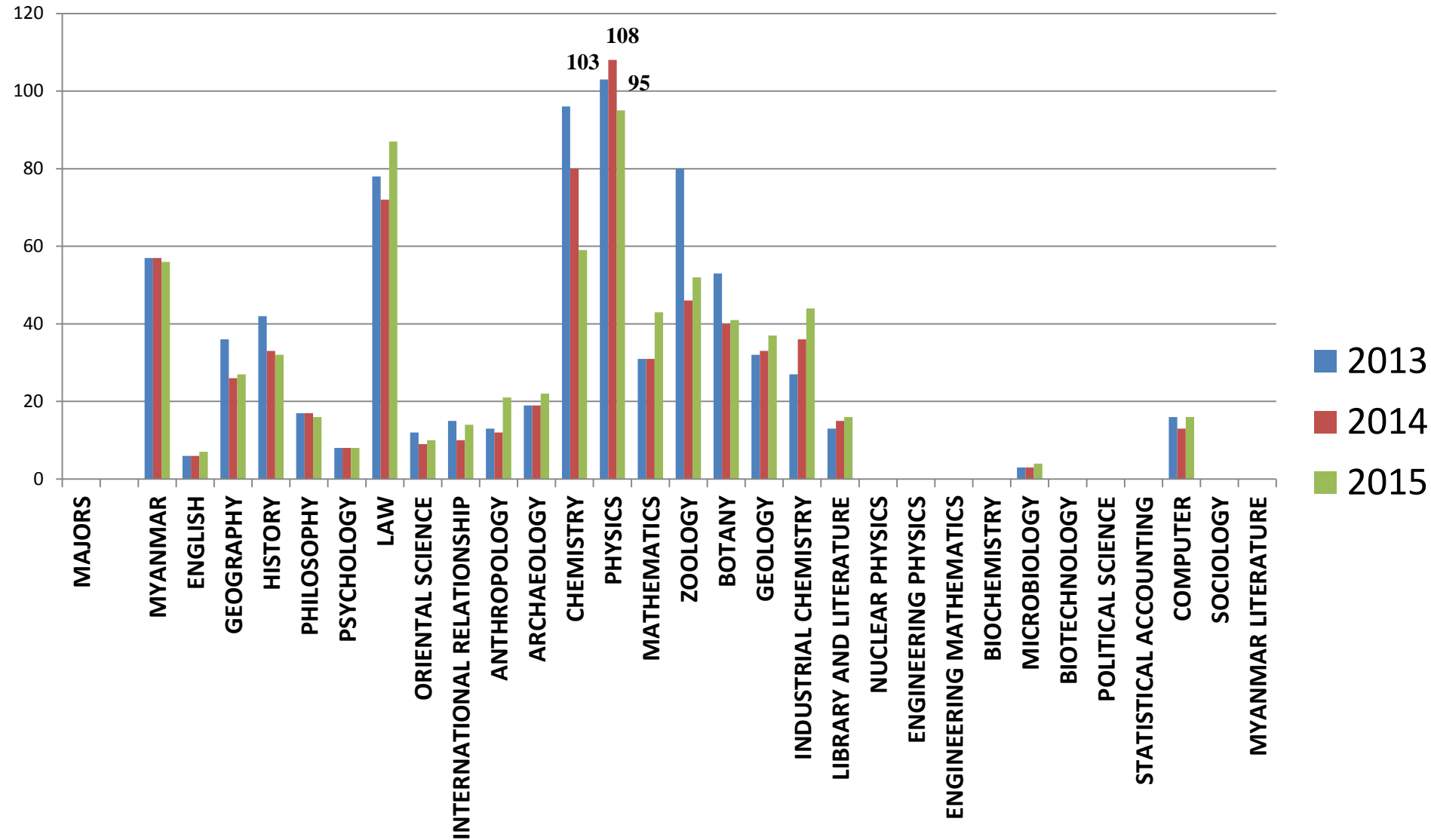


Figure:11

Summary of **Female PhD Students** in **Science and Arts** at University of Yangon in 2013, 2014 and 2015

TOTAL MALE STUDENTS IN ALL SUBJECTS

	2013	2014	2015
	MALES	MALES	MALES
MYANMAR	6	6	7
ENGLISH	0	0	0
GEOGRAPHY	6	5	7
HISTORY	24	22	17
PHILOSOPHY	7	4	2
PSYCHOLOGY	2	3	3
LAW	18	12	20
ORIENTAL SCIENCE	1	0	0
INTERNATIONAL RELATIONSHIP	3	4	3
ANTHROPOLOGY	0	3	0
ARCHAEOLOGY	6	28	3
CHEMISTRY	25	54	26
PHYSICS	54	11	43
MATHEMATICS	9	7	6
ZOOLOGY	9	4	8
BOTANY	7	13	3
GEOLOGY	16	0	17
INDUSTRIAL CHEMISTRY	3	2	1
LIBRARY AND LITERATURE	2		4
COMPUTER	7	7	7

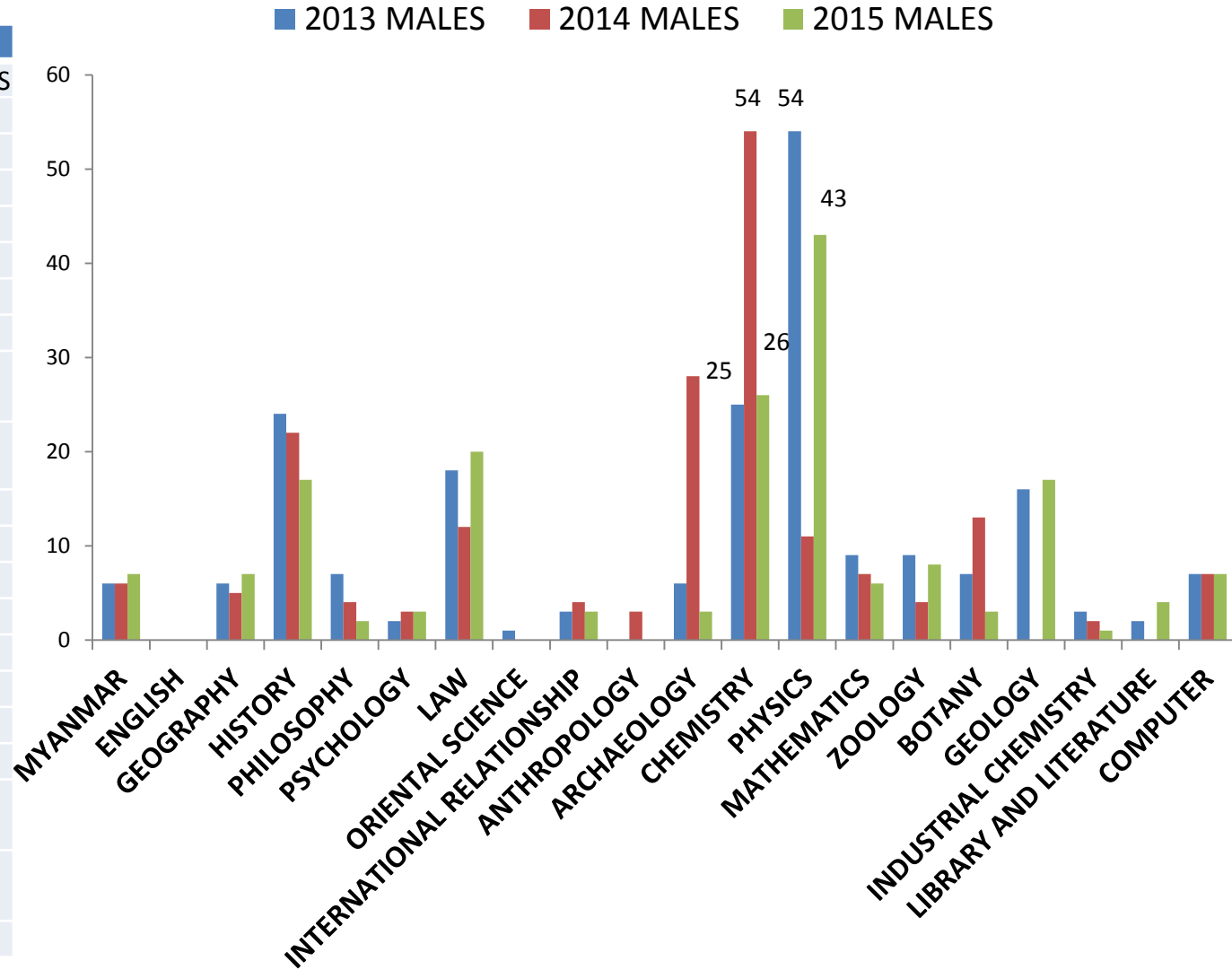


Figure:11

Total Male Students in Science and Arts at University of Yangon in 2013, 2014 and 2015

TOTAL FEMALE STUDENTS IN ALL SUBJECTS OF UNIVERSITY OF YANGON

■ 2013 FEMALES ■ 2014 FEMALES ■ 2015 FEMALES

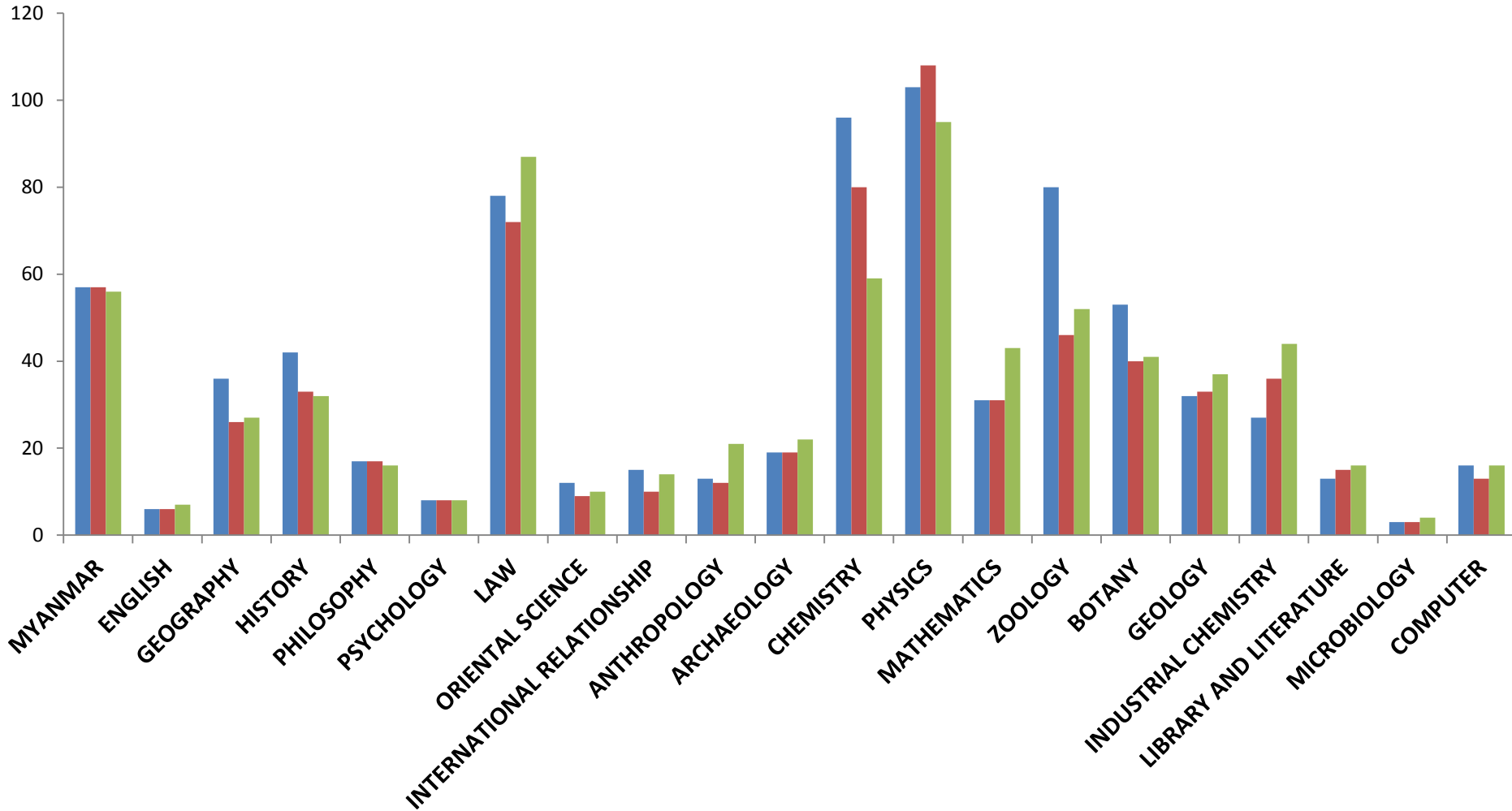
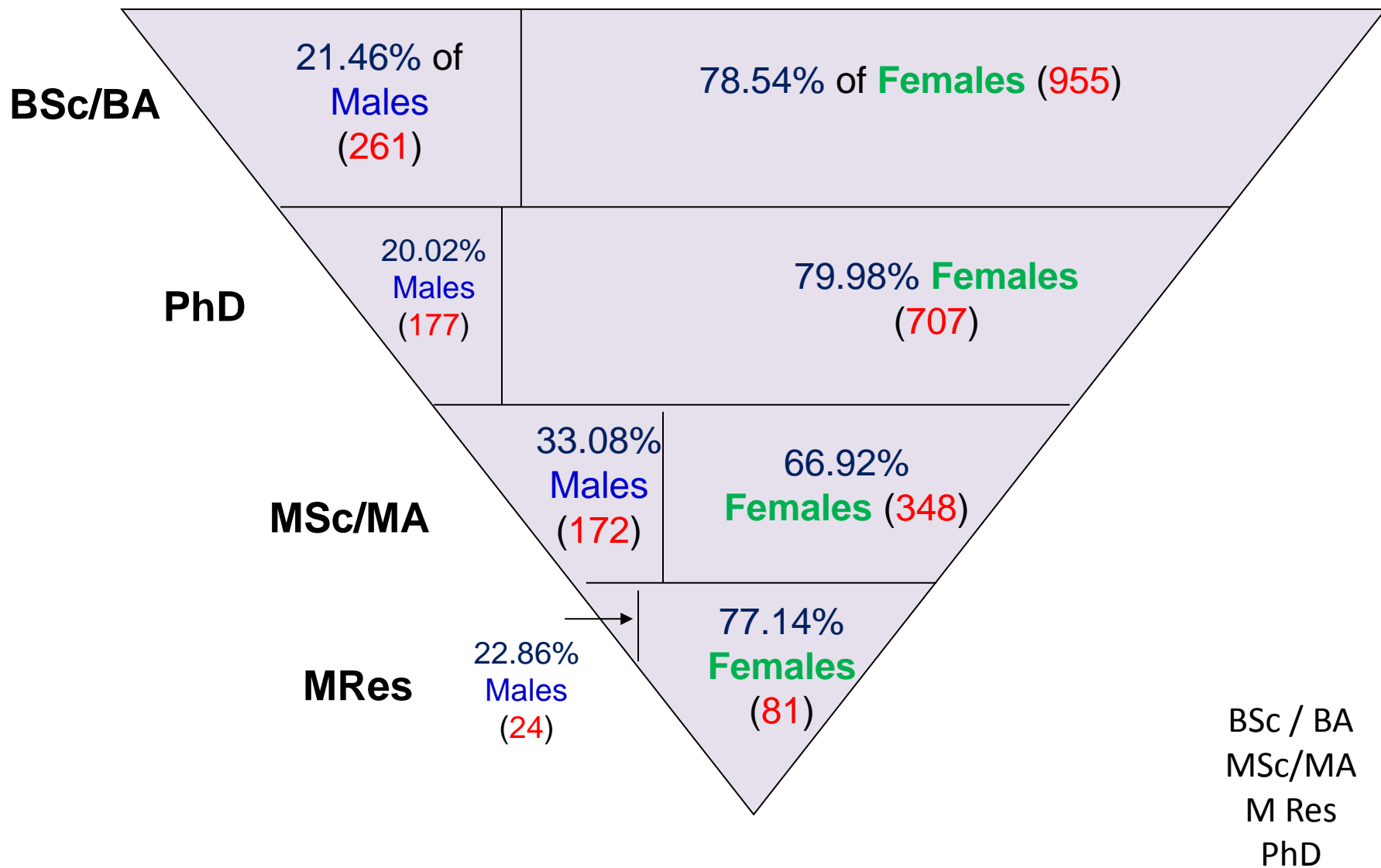


Figure:12

Total Female Students in Science and Arts at University of Yangon in 2013, 2014 and 2015

The Educational Pathway for Students at University of Yangon (2015)



2015 INTAKE UNDERGRADUATE STUDENTS’ ENROLMENT MARKS FOR DIFFERENT INSTITUTES AND UNIVERSITIES IN MYANMAR

	LOWEST MARKS	
	MALES	FEMALES
Institute of Medicine	486	505
Dental Institute	456	495
Pharmaceutical University	440	440
Paramedical University	434	434
Nursing University	437	437
Yangon Technological University	509	498
Mandalay Technological University	485	480
Government Technological Colleges	412	418
Myanmar Marine Institutes	473	483
Yangon Institute of Education (Science)	448	474
Yangon Institute of Education (Arts)	420	440



CONCLUSION



Nowadays, participation of Myanmar females have been increasing in all sectors including education and respected employment. In this paper, the main focus of females are not only from the science but also from the arts of University of Yangon, to survey their participation rate and it can be noted that among the majority of people, female participation has been rising in not only the job sectors as educators, but also higher number of the students at the universities are also females even though there are still some discrimination between the regarded entrance marks for some institutes and universities.

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THANK YOU.