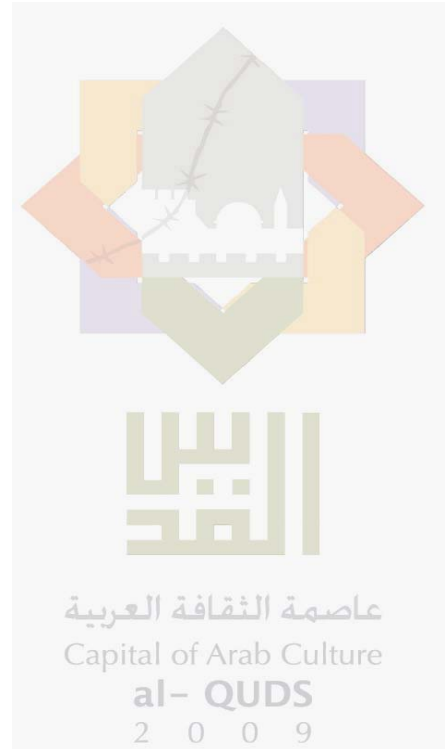
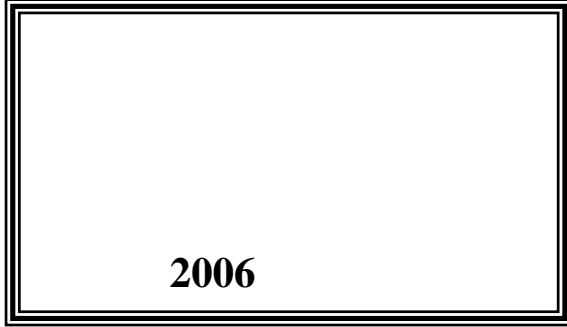


2008

2008

2009 /



© 1430 - 2009

:

:2008

.2009

- .2008

:

- 1647 . .

(970/972) 2 298 2700 :

(970/972) 2 298 2710 :

diwan@pcbs.gov.ps :

<http://www.pcbs.gov.ps> :

•

•

•

•

2009

9

2008

11

13

2008

992

%54.1

10.9

-
-
-

56

27

67

94

12

44

.%78

669

1,542

%90

) 2008

2007

566

1,555

(

363

992

2007

280

981

2008

120

2008

150

744

2008

765

2007

.2007

237

2008

227

2007

389

27

86

697

315

%54.1

3

%7.0

%19.0

%19.9

30,000

10.9

%13.8

%32.0

%40.3

%0.5

%2.1

%5.7

%5.6

2010

(6

)

.
%100

:

%30

%30

.%50

:

(10)

.(-)

ISBN

:

:

:

:

:

:

:

:

:

.2008/12/31

2008/01/01

Tables

:1

Table 1: Main Indicators For Research and Development (R&D) in the West Bank by Selected Years

Indicator	Year		
	2008	2007	
Number of Enterprises Engaged in R&D that completed interview	40	38	
Number of R&D Personnel	1,542	1,555	
Number of R&D Personnel with Full – Time Equivalent FTE	669	566	
Number of Researchers in R&D	992	981	
Number of Researchers (Males) in R&D	765	744	
Number of Researchers (Females) in R&D	227	237	
Number of Researchers in R&D with FTE	363	280	
Number of Researchers in R&D with FTE Per Million inhabitants	150	120	
Total Expenditure on R&D (million\$)	10.9	11.5	()
Percentage of External Funds for R&D	40.3	50.4	
Expenditure on R&D Per Researcher with FTE (Thousands \$)	30	41	()
Number of Researches, Studies, and Consultations	1,167	982	:
Percentage of Studies and Consultations	54.1	46.1	
Percentage of Basic Research	19.9	25.8	(/)
Percentage of Applied Research	19.0	18.1	
Percentage of Experimental Development Researches	7.0	6.3	
Percentage of Other Researches and Studies	0.0	3.7	

2008

:2

Table 2: Research and Development Personnel in the West Bank by occupation and Sex, 2008

Sex	Total	Occupation			
		Others	Technicians	Researchers	Administrators
Males	1,105	60	130	765	150
Females	437	36	61	227	113
Both Sexes	1,542	96	191	992	263

2008

:3

Table 3: Research And Development Personnel in the West Bank by Occupation and Full – Time Equivalent, 2008

Full – Time Equivalent	Total	Occupation				
		Others	Technicians	Researchers	Administrators	
Less than 10%	181	17	61	83	20	أقل من 10%
10% - 30%	573	22	9	501	41	10% - 30%
31% - 50%	241	12	5	206	18	31% - 50%
51% - 70%	147	6	10	35	96	51% - 70%
71% - 90%	132	27	75	13	17	71% - 90%
91% - 100%	268	12	31	154	71	91% - 100%
Grand Total	1,542	96	191	992	263	

2008

:4

Table 4: Research and Development Personnel in the West Bank by Occupation and Educational Attainment, 2008

Educational Attainment	Total	Occupation				
		Others	Technicians	Researchers	Administrators	
Secondary and Less	75	68	1	0	6	
Associate Diploma	98	8	37	3	50	
Bachelor	430	19	105	191	115	
Higher Diploma	12	0	4	2	6	
Master	496	1	42	406	47	
Ph.D	431	0	2	390	39	
Grand Total	1,542	96	191	992	263	المجموع الكلي

2008

:5

Table 5: Researchers in Research and Development in the West Bank by Fields of Science, 2008

Fields of Science	No. of Researchers	
Physical Sciences	99	
Engineering & Technology	161	
Medical Sciences	60	
Agricultural Sciences	43	
Social Sciences	256	
Humanities Sciences	373	
Total	992	

2008

:6

Table 6: Research and Development Personnel in the West Bank by Sector of Employment and Sex, 2008

Sector of Employment	Total	Sex		
		Females	Males	
Private	328	115	213	
Non Governmental Organizations	323	131	192	
Higher Education	891	191	700	
Grand Total	1,542	437	1,105	

2008

:7

Table 7: Research and Development Personnel in the West Bank by Sector of Employment and Occupation, 2008

Sector of Employment	Total	Occupation				
		Others	Technicians	Researchers	Administrators	
Private	328	1	62	236	29	
Non Governmental Organizations	323	31	66	141	85	
Higher Education	891	64	63	615	149	
Grand Total	1,542	96	191	992	263	المجموع الكلي

2008

:8

Table 8: Percentage Distribution of Researches in the West Bank by Type, 2008

Type of Research	Percentage	
Basic Researches	19.9	(/)
Applied Researches	19.0	
Experimental Development Researches	7.0	
Studies and Consultations	54.1	
Total	100	

2008

:9

Table 9: Outputs of Research and Development in the West Bank by Type, 2008

Outputs	Number	
National Prizes for Researchers and Inventors	25	
International Prizes for Researchers and Inventors	12	
Patents	2	
Publications in National Magazines	315	
Publications in Peer review Magazines	389	
National Researches	159	
International Researches	178	
Studies and Consultations	697	
International Standard Book Number (ISBN)	86	
Citation Index	3	

2008

:10

Table 10: Percentage Distribution of Total Expenditure on Research and Development in the West Bank by Sources of Fund, 2008

Sources of Fund	Percentage	
Higher Education Establishments	0.5	
Government Establishments	5.7	
Non – Profit Establishments	13.8	
Private Establishments	2.1	
Fund From Abroad	40.3	
Self Fund	32.0	
Not stated	5.6	
Total	100	

2008

:11

Table 11: Percentage Distribution of the Total Expenditure (US\$) on Research and Development in the West Bank by Type of Expenditure, 2008

Type of Expenditure	Percentage	Value	
Current Expenditures	83.4	9,091,796	
Wages and Salaries	51.6	5,625,282	
Goods and Services	31.8	3,466,514	
Capital Expenditures	16.6	1,811,254	
Maintenance of Buildings, Machines, Equipments, and Other Capital Expenditures	16.6	1,811,254	
Total	100	10,903,050	