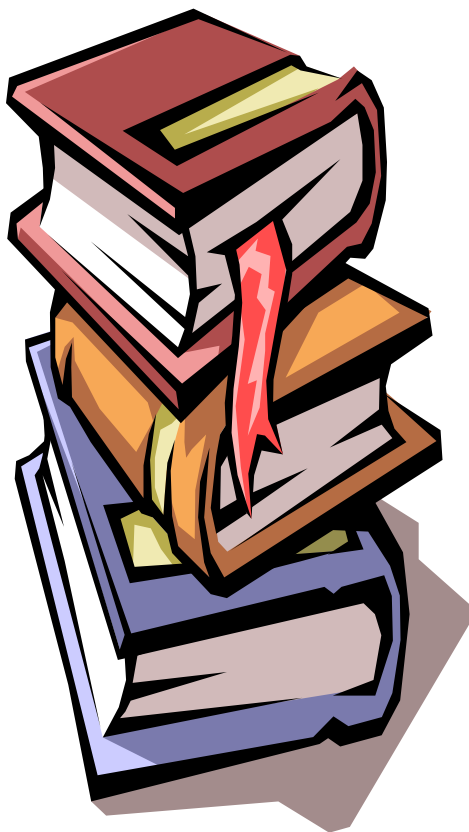


MANAGERIAL PLAN

for the position: Director of Council for Doctoral Studies of University POLITEHNICA of Bucharest



- **HORIA IOVU**
- Born 10.12.1961
- Graduated from Faculty of Industrial Chemistry 1986- 9,95- first position
- PhD in Chemical Engineering - 1995
- Full Professor - 1999
- Appointed as PhD supervisor – 2003
- Doctor Honoris Causa – University “Petrol-Gas” Ploiesti - 2019
- 187 published papers in ISI rated journals; 1493 citations
- Hirsch index: 21 (ISI)
- PhDs graduated under my supervision: 21
- Head of Advanced Polymer Materials Group, since 2005.
- Vice-Dean of Faculty of Applied Chemistry and Materials Science 2000-2004
- Dean 2004-2012
- Director of Council for Doctoral Studies in UPB: 2012-2020
- Member of CNCSIS (2003-2011); General Secretary of CNCS: 2015-2017
- Member of CNADTCU – President of the Commission of Chemical Engineering, since 2016.
- Vice-President of CNATDCU, since 2018.
- Full Member of the Academy of Romanian Scientists
- Fellow of the Royal Society of Chemistry

Main goals

- Developing of modern doctoral studies, of high quality, in trends with the requirements of high academic standards in the world;
- The increase of the prestige of University Politehnica of Bucharest in providing high-quality research and teaching among international technical universities;
- Accreditation of all UPB doctoral schools.

PhD programs

	2016/2017			2017/2018			2018/2019			2019/2020		
	Fără taxă		Cu taxă	Fără taxă		Cu taxă	Fără taxă		Cu taxă	Fără taxă		Cu taxă
	Cu bursă	fără bursă		Cu bursă	fără bursă		Cu bursă	fără bursă		Cu bursă	fără bursă	
Doctoranzi cetățeni români	558	1050	74	542	1127	73	559	1275	91	570	1325	79
Doctoranzi cetățeni străini	8	4	51	8	6	54	12	7	47	15	12	47
TOTAL	566	1054	125	550	1133	127	571	1282	138	585	1337	126

	2016/2017	2017/2018	2018/2019	2019/2020
Female	628	731	784	843
Male	1117	1079	1207	1205
TOTAL	1745	1810	1991	2048

PhDs GRADUATES

GRADE	2016	2017	2018	2019
EXCELENT	13	28	33	50
VERY GOOD	91	94	104	92
GOOD	10	5	9	4
SATISFACTORY	0	0	1	0
TOTAL	114	127	147	146

	2016	2017	2018	2019
Co-tutelle internal	0	0	0	2
Co-tutelle international	1	1	4	6
TOTAL	1	1	4	8

PhD supervisors

	2016/2017	2017/2018	2018/2019	2019/2020
UPB staff	186	199	199	207
Staff from other universities	24	27	27	27
UPB pensioners	109	116	130	116
TOTAL	319	342	356	350

New PhD supervisors

2016	2017	2018	2019
39	35	8	33

Doctoral schools from IOSUD-UPB

	The name of the doctoral school
	Inginerie Electrică
	Energetică
	Automatică și Calculatoare
	Electronică, Telecomunicații și Tehnologia Informației
	Inginerie mecanică și Mecatronică
	Inginerie Industrială și Robotica
	Ingineria Sistemelor Biotehnice
	Transporturi
	Inginerie Aerospațială
	Știința și Ingineria Materialelor
	Chimie Aplicată și Știința Materialelor
	Științe Aplicate
	Antreprenariat, Ingineria și Managementul Afacerilor
	Ingineria și Aplicațiile Laserilor și Acceleratorilor

DOCTORAL STUDIES- OBJECTIVES

- **Research capacity:**

- Development of research infrastructure in new labs for the activity of PhD students

- To continue the access to international databases considering also the changes to the open access system

- Developing of at least 6 interdisciplinary labs between different doctoral schools

- PhD theses subjects to be framing within the research strategy of UPB in the main fields of excellence



OBJECTIVES

Curriculum development

- scientific curriculum based on competences
- interdisciplinary curriculum in the first year of

PhD studies

- high skills development in connection with the

labour market

- introduction of the systems open science and open data according to the rector's program
- introduction of platforms for the big data
- developing of modules for pedagogical training

OBJECTIVES

Research scientific outputs:

- the increase of the number of PhD theses annual defended;
- the increase of the number of published papers in top 25 % ISI rated journals;
- the increase of the number of registered patents;
- the increase of the number of scientific grants earned by competition which have as subjects themes of PhD theses, realized in interdisciplinary teams.

OBJECTIVES

Human resources

- Periodical training of PhD supervisors;
- The increase of the number of PhD supervisors by defense of habilitation theses;
- Measures to stimulate the young staff to candidate for habilitation;
- Forming of the guidance commissions from the following person roles: supervision – coaching – training;
- Stimulation for attending international conferences by funding the delegation supervisor-PhD student;
- PhD supervisors and PhD students mobility funded from developing continuously of European projects from structural funds.

OBJECTIVES

The relations of doctoral schools with socio-economic medium

- agreements/partnerships directly between the doctoral schools and economic entities;
- partnership contracts to bring funds for doctoral schools and towards the research activity;
- new technologies, patents, products as outputs of the research activity in doctoral schools.

OBJECTIVES

Funding:

- registration fees for overseas students
- extra-budgetary funds
- funds from national or international institutions;
- grants from UPB own funds and from private

funds;

- funds from various research contracts at

national/international level;

- POCU projects for doctoral and postdoctoral

studies.

OBJECTIVES

Internationalization of doctoral studies:

- the increase of foreign PhD students at a level of 20% from the total number of PhD students;
- the increase of the co-tutelle doctorates number and developing of joint PhD programs at international level;
- the increase of Erasmus mobilities- both in-going and out-going;
- international internships;
- summer schools with international attendees;
- international research projects, mostly financed by EU;
- international activity of CSUD (CESAER, EUA-CDE, etc.).