



Cristina Aurelia NECHIFOR

Associate Professor

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Group of Membrane, Membrane Materials and Processes

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Biography

Date	Role
2015-	Professor, Department of Analytical Chemistry and Environmental Engineering , Politehnica University of Bucharest
2013-2015	Associate Professor, Department of Analytical Chemistry and Environmental Engineering , Politehnica University of Bucharest
2008-2013	Senior Lecturer, Department of Analytical Chemistry, Politehnica University of Bucharest
2002-2008	Assistant Professor, Department of Analytical Chemistry ,Politehnica University of Bucharest
2000-2002	Assistant Professor, Department of General Chemistry, Politehnica University of Bucharest
1998-200	Researcher, Military Equipment and Technologies Research Agency, ACTTM
1999-2005	Ph.D. in Chemical Engineering, Department of Science and Engineering Oxide Materials , Faculty of Industrial Chemistry , Politehnica University of Bucharest, Thesis Title:" Ferrofluid and magnetic particles synthesis and applications ", Thesis Supervisor: Prof.Dr.Eng. Ecaterina Andronescu
1998-1999	Advanced Studies, Analytical Environmental Control and Remediation Techniques , Department of Analytical Chemistry , Faculty of Industrial Chemistry, Politehnica University of Bucharest
1993-1998	M.Sc. (Graduate Engineer/Diplomate engineer), Biochemical Engineering , Faculty of Industrial Chemistry, Politehnica University of Bucharest

Research

Research Interests

- Magnetic particles;
- Ferrofluid;
- Membrane materials;
- Composite membranes;
- Liquid membranes;
- Membrane processes;



- Separation techniques.

Selected Research Projects

- Synthesis and properties of magnetic particles and ferrofluids , CNCSIS-TD-440, 2004-2005, Project manager
- Selective composite membranes based on functional materials and imprinted polymers(*SECOFIM*) ,CEEX-TE/146, 2006-2008, Project manager
- Nanocomposites with electric and magnetic properties for high selective separative processes (*NEMSEPEL*), 71-034, 2007-2010, Project manager

Academic interests

Teaching activity

Studies	Program Name/Faculty	Title	Activity type
Bachelor	Engineering of food products	Analytical Chemistry and Instrumental Analysis	Course Applications
Master	Analytical Environmental Control and Remediation Techniques	Polymeric membranes	Course Applications
Master	Analytical Environmental Control and Remediation Techniques	Analytical Control of Environmental Quality	Course Applications

Membership of Professional Bodies

- From 1998: Member of the Romanian Chemical Society
- From 2004: Member of the EURACHEM Romania
- From 2009: Romanian Society of Biomaterials