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Institute / University (Work) King Abdulaziz University	College/ Directorate Centre of Excellence in Desalination Technology	Department	
Nationality Tunisia	Date of Birth 02/05/1968	Country of Birth Tunisia.	
Highest Degree PhD	University Faculty of Sciences of Tunis, University of El Manar, Tunisia.	Date of Graduation 11-05-2001	
Academic Title Assistant Professor	Major field Chemistry	Specialization Analytical chemistry / Membrane Technologies	
Scientific Profile (Please describe briefly in 5 lines maximum)	Water and wastewater treatment using membrane processes Water Desalination Solution chemistry Analytical chemistry		
Qualifications (Please describe briefly in 5 lines maximum)	Determination of membrane performances: flux and retention. Polymer synthesis and chemical modification of polymers. Polymer characterization SEC-MALLS, DSC, TGA. Membrane elaboration by phase inversion. Characterization of membranes by SEM, AFM, Contact Angle, ATR-FTIR. Micellar enhanced Ultrafiltration, Polyelectrolyte enhanced Ultrafiltration.		

<p>Research highlights</p>	<p>Research Supervision: December 2000, Rafik Tayeb, Analytical Chemistry, Faculty of Sciences Tunis, Tunisia, Subject: Behaviour of surfactants in flame atomic absorption spectrometry, chromium analysis July 2004, Guy Tiama Ballet, Analytical Chemistry, Faculty of Sciences Tunis, Tunisia, Subject: Nanofiltration Application in cadmium ions retention June 2005, Cheima Fersi, Analytical Chemistry, Faculty of Sciences Tunis, Tunisia, Subject: textile wastewater treatment by membrane process June 2006, Dorra Ennigrou, Analytical Chemistry, Faculty of Sciences Tunis, Tunisia, Subject: Cadmium retention by Polyélectrolytes enhanced ultrafiltration May 2010, Touati Khaled, Analytical Chemistry, Faculty of Sciences Tunis, Tunisia, Subject: feasibility study of ultrafiltration as a pretreatment for nanofiltration of sea water</p>
<p>Funded Projects</p>	
<p>Patents</p>	

List of Publications

1. Sher Bahadar Khana, Khalid A. Alamry, Elham N. Bifari, Abdullah M. Asiria, Muhammad Yasir, Lassaad Gzara, Rehan Zulfiqar Ahmad (2014), Assessment of antibacterial cellulose nanocomposites for water permeability and salt rejection, Journal of Industrial and Engineering Chemistry (accepted).
2. Anouar Ben Fradj, Sofiane Ben Hamouda, Hedia Ouni, Ridha Lafi, Lassad Gzara, Amor Hafiane (2014), Removal of methylene blue from aqueous solutions by poly(acrylic acid) and poly(ammonium acrylate) assisted ultrafiltration, Separation and Purification Technology, 133, 8, 76-81
3. Ben Fradj, A., Lafi, R., Gzara, L., Hamzaoui, A. H., & Hafiane, A. (2014). Spectrophotometric study of the interaction of toluidine blue with poly (ammonium acrylate). Journal of Molecular Liquids, 194, 110-114.
4. Fradj, A. B., Lafi, R., Hamouda, S. B., Gzara, L., Hamzaoui, A. H., & Hafiane, A. (2014). Effect of chemical parameters on the interaction between cationic dyes and poly(acrylic acid). Journal of Photochemistry and Photobiology A: Chemistry, 284, 49-54
5. Fradj, A. B., Lafi, R., Hamouda, S. B., Gzara, L., Hamzaoui, A. H., & Hafiane, A. (2014). Investigation on the interaction of safranin T with anionic polyelectrolytes by spectrophotometric method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 131, 169-176.
6. D. Jellouli, L. Gzara, M. R. Ben Romdhane, M. Dhahbi, Retention of cadmium ions from aqueous solutions by poly(ammonium acrylate) enhanced ultrafiltration, Chemical Engineering Journal, 155, 1-2, 1 December 2009, 138-143
7. D. Jellouli, L. Gzara, M. R. Ben Romdhane, M. Dhahbi, Cadmium removal from aqueous solutions by Polyelectrolyte assisted Ultrafiltration, Desalination, 246, 1-3, 30 September 2009, 363-369.
8. C. Fersi, L. Gzara, M. Dhahbi, Flux decline study for textile wastewater treatment by membrane processes, Desalination, 244, (2009), 321-332
9. C. Fersi, L. Gzara, M. Dhahbi, Treatment of textile effluents by membrane technologies, Desalination, 185, (2005), 399-409.
10. L. Gzara, A. Chagnes, B. Carré, M. Dhahbi, D. Lemordant, Is 3-methyl-2-oxazolidinone a suitable solvent for lithium-ion batteries?, Journal of Power Sources, 156, 634-644, (2006).
11. G. T. Ballet, L. Gzara, A. Hafiane, M. Dhahbi, Transport coefficients and cadmium salt rejection in nanofiltration membrane, Desalination, 167, 369-376, (2004).
12. R. Tayeb, L. Gzara, M. Dhahbi, behaviour of surfactants in flame atomic absorption spectrometry, chromium analysis, J. anal. Chem. , 60, 930-936, (2005).
13. L. Gzara, M. Dhahbi, Removal of chromate anions by micellar-enhanced ultrafiltration using cationic surfactants, Desalination, 137, 241-250, (2001).
14. L. Gzara, A. Hafiane, M. Dhahbi, Réention des ions Plomb (II) en milieu acide phosphorique par ultrafiltration assistée par les micelles, Revue des Sciences de l'eau, 13/3 289-304, (2000).
15. L. Gzara, A. Hafiane, M. Dhahbi et D. Lemordant, Modélisation de la rétention des ions Cd^{2+} et Mg^{2+} par ultrafiltration assistée par les micelles en milieu acide, Entropie n° 222, (1999).