



Ridha Hamdi

Assistant professor

Personal Data

Nationality | Tunisian

Date of Birth | 13/01/1983

Department | Physics

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Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
French	Excellent	Excellent	Excellent
Italian	Excellent	Excellent	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2011	Doctorate	Italy	University of Calabria
2008	Master	Tunisia	University of Tunis el Manar
2006	Bachelor	Tunisia	University of Tunis el Manar

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Nano-confinement and advanced electro-optics in nematics
Master	Etude électrique et optique d'un cristal liquide présentant des phases smectiques chirales : MHPOBC
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant professor	IPEIS- University of Sfax	Tunisia	2013-2016
Post.doc	Physics Department- University of Calabria	Italy	2011-2013



Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Gia Petriashvili, Ridha Hamdi , M. P. De Santo, Ramla Gary, and Riccardo Barberi	Light-controllable linear dichroism in nematics	Applied Optics , 54, 1559 (2015)
	Lotfi Saadaoui, Gia Petriashvili, M. P. De Santo, Ridha Hamdi , Tahar Othman, and Riccardo Barberi	Electrically controllable multicolor cholesteric laser	Optics Express, 23, 22922 (2015)
	Gia petriashvili, Maria P De Santo, Ketevan Chubinidz, Ridha Hamdi , Riccardo Barberi	Visual micro-thermometers for nanoparticles photo-thermal conversion	Optics Express , 22, 14705 (2014)
	Gia Petriashvili, Kokhta Japaridze, Lali Devadze, Cisana Zurabishvili, Nino Sepashvili, Nino Ponjavidze, Maria P De Santo, Mario A Matranga, Ridha Hamdi , Federica Ciuchi, Riccardo Barberi	Paper like cholesteric interferential mirror	Optics Express, 21, 020821 (2013)
	R Hamdi , G Lombardo, M P de Santo, R Barberi,	Biaxial coherence length in a nematic π -cell	EPJE 36,115 (2013)
	G. Lombardo, A. Amoddeo, R. Hamdi , H. Ayeb, R. Barberi	Biaxial surface order dynamics in calamitic nematics	EPJE 35,9711(2012)
	R. Hamdi , G. Petriashvili, De Santo MP, G. Lombardo, and R. Barberi	Electrically Controlled 1D and 2D Cholesteric Liquid Crystal Gratings	MCLC 533, 97-102 (2012)
	R. Hamdi , G. Petriashvili, G. Lombardo, De Santo MP and R. Barberi	Liquid crystal bubbles forming a tunable micro-lenses array	JAP 110, 074902 (2011)
	H. Ayeb, G. Lombardo, F. Ciuchi, R. Hamdi , A. Gharbi, G. Durand, and R. Barberi	Surface order reconstruction in nematics	APL, 97, 104104 (2010)

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	Nino Ponjavidze, Gia Petriashvili, Maria P De Santo, Ridha Hamdi , Ramla Gary, and Riccardo Barberi	Silver and Gold Nanoparticle Doped Polymer and Liquid Crystal Nanocomposites For the Thermo and Photo Optical Applications	4 th International Conference “Nanotechnologies”, At Tbilisi, Georgia, October 2016
	G. Petriashvili , R. Hamdi , M.P. De Santo, R. Gary and R. Barberi	Light Induced Linear Dichroism in Spiropyran Doped Nematic Liquid Crystals	13 th European Conference on Liquid Crystals 7 – 11 September 2015, Manchester, UK



#	Name of Investigator(s)	Research Title	Conference and Publication Date
	M.P. De Santo, G. Petriashvili, R. Hamdi , and R. Barberi	Visual micro-thermometers for nanoparticles photo-thermal conversion	7 th Italian-Japanese workshop on Liquid Crystals and 11 th National SICL Meeting Ravenna, Italy, July 7-10 2014
	Gia, Petriashvili, Maria P. De Santo, Ketevan Chubinidze, Ridha Hamdi , and Riccardo Barberi	micro-thermometers for nanoparticles photo-thermal conversion	26 th International Liquid Crystal Conference, June - 4 July 2014, Dublin, Ireland
	Ridha Hamdi , Gia Petriashvili, Maria P. De Santo, Ketevan Chubinidze, and Riccardo Barberi	Silver nanoparticles: photo-thermal conversion	9 ^{èmes} JOURNEES MAGHREB-EUROPE MATERIAUX ET APPLICATIONS AUX DISPOSITIFS ET CAPTEURS, Mahdia-Tunisie novembre 2014
	Ridha Hamdi , Gia Petriashvili, Mario Ariosto Matranga, Maria Penelope De Santo, and Riccardo Barberi	Silver nanoparticles: optical-thermal energy conversion	Conférence Franco-Maghrebine sur les nanomatériaux, Sousse-Tunisie, Mai 2013
	R. Hamdi , G. Lombardo, T. Caldera, F. Cosenza, G. Pucci and R. Barberi	Topological textural transition in nematics	24 th International Liquid Crystal Conference, 19 th -24 th August 2012, Mainz, Germany
	R. Hamdi , G. Petriashvili, G. Lombardo, R. Barberi	Liquid crystal bubbles forming a tunable-focus microlens array	The 11 th European Conference on Liquid Crystals, 06-11 th February, 2011, Maribor Slovenia
	R. Barberi, R. Hamdi , G. Lombardo, F. Cosenza, H. Ayeb	Nematic order dynamics: order reconstruction	Confined liquid crystals: Landmarks and Perspectives 19-20 th July 2010, Ljubljana - Slovenia
	R. Hamdi , G. Petriashvili, G. Lombardo, R. Barberi	Liquid Crystal bubble structure as the basic element for the building of novel electro optical devices	23 rd International Liquid Crystal Conference, 11 th -16 th July 2010, Kraków, Poland
	R. Hamdi , G. Lombardo, R. Barberi	Order reconstruction in nematic π -cell	I-CAMP-2010 Summer School, June 20-July 10, 2010, Sydney-Brisbane, Australia
	R. Hamdi , H. Ayeb, G. Lombardo, R. Barberi	Dynamique de la reconstruction d'ordre dans les nématiques	14ème Colloque Francophone des Cristaux Liquides, 8-11 Septembre 2009, Orsay-France



#	Name of Investigator(s)	Research Title	Conference and Publication Date
	<u>R. Hamdi</u> , H. Ayeb, G. Lombardo, M. De Santo, R. Barberi	Transient Biaxial Order Reconstruction in Nematic induced by modulated electric signals	The 10 th European Conference on Liquid Crystals, 19-24 April, 2009, Colmar -Alsace-France

Membership of Scientific and Professional Societies and Organizations

- International liquid crystal society
- Tunisian Physics society

Last Update

11/26/2016