



Amor Saidi BenAli

Associate Professor

Personal Data

Nationality | Tunisian

Date of Birth | 1-2-1973

Department | Chemistry

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Language Proficiency

Language	Read	Write	Speak
Arabic	fluent	√	fluent
English	excellent	excellent	moderate
French	fluent	excellent	fluent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
1997	Bachelor	University of Carthage	Tunisia
1999	Master	University of Carthage	Tunisia
2003	PhD	University of Le Mans	France
2009	Habilitation	University of Carthage	Tunisia

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

PhD	The chemical systems Na_2CO_3 -(YbF_3 ou YF_3)- H_2O : hydrothermal synthesis, structural study and spectroscopy characterization
Master	Synthesis and characterization of a new rubidium borate



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Professor	University of Carthage		2016
Associate professor	University of Carthage	University of Dammam	2011
Assistant professor	University of Carthage		2004

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
1	Nesrine Ben Saber, Amor Benali, Lise-Marie Lacroix, Patrick Gredin, Bertrant Raquet, Guillaume Viau	A 3D array of Co(II) cubanes with very strong magnetic anisotropy	J. Alloys and compounds 686 (2016) 447–452.
2	Housseem Sellemi, Sandrine Coste, Maude Barre, Richard Retoux, Amor Ben Ali, Philippe Lacorre	Synthesis by the polyol process and ionic conductivity of nanostructured La ₂ Mo ₂ O ₉ powders	J. Alloys and compounds 653 (2015) 422–433.
3	Insaf Abdi, Jérôme Lhoste, M. Leblanc, V. Maisonneuve, J-M Grenèche, G. Viau, A. Ben Ali	[H ₂ amtaz] ⁺ iron fluorides; synthesis, crystal structures, magnetic and Mössbauer studies	J. Fluor. Chem. 173 (2015) 23–28.
4	I. Abdi, K.A. Al-Sadhan, A. Ben Ali	Crystal structure of bis(propane-1,3-diammonium) hexafluoroaluminate fluoride trihydrate	Acta Cryst. (2014). E70, m335–m336
5	I. Abdi, K.A. Al-Sadhan, A. Ben Ali	Crystal structure of bis(propane-1,3-diammonium) hexafluoroaluminate diaqua tetrafluoroaluminate tetrahydrate	Acta Cryst. (2014). E70, 471–473.
6	Insaf Abdi, Fatmah Alzahrany, Jérôme Lhoste, Jean-Marc Grenèche, Amor Ben Ali,	Synthesis, crystal structure and Mossbauer study of new iron fluoride [C ₂ N ₅ H ₆] ₂ .FeF ₅ (H ₂ O).2H ₂ O	Journal of Advances in Chemistry, 10 (2014) 2617-2624



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7	Housseem Sellemi, Sandrine Coste, Amor Ben Ali, Richard Retoux, Leila Samia Smiri, Philippe Lacorre,	Synthesis of $\text{La}_2\text{Mo}_2\text{O}_9$ powders with nanodomains using polyol procedure	Ceramics International, Ceramics International 39 (2013) 8853–8859
8	Amor BenAli, Monique Body, Marc Leblanc, Vincent Maisonneuve	2D zirconium fluorides: Synthesis, Structure and NMR Spectroscopy	Solid State Sci., 11 (2011) 1331
9	Imène Balti, Taher Ben Chaabane, Marc Leblanc, Amor BenAli	Synthesis, crystal structure and characterizations of a new hybrid fluoride zirconate : $(\text{C}_8\text{H}_{12}\text{N})_4 \bullet \text{Zr}_2\text{F}_{12}$, Journal de la société chimique de Tunisie 12 (2010) 71-78.
10	A. zouaghui, A. Ben Ali, V. Maisonneuve, M. Leblanc,	Bis(propene-1,3-diaminium) hexafluoridoferrate(III) fluoride trihydrate	Acta Crystallogr., E66 (2010) m702.
11	Karim Adil, Mohamed Ali Saada, Amor Ben Ali, Monique Body, Minh Trung Dang, Annie Hémon-Ribaud, Marc Leblanc and Vincent Maisonneuve,	Hydrogen bonded H_3O^+ , H_2O , HF, F^- in fluoride metalates (Al, Cr, Fe, Zr, Ta), templated with tren (tris-(2-aminoethyl)amine)	J. Fluo. Chem. 128 (2007) 404.
12	Amor Ben Ali, Minh Trang Dang, Jean-Marc Grenèche, Annie Hémon-Ribaud, Marc Leblanc, Vincent Maisonneuve	Synthesis, structure and Mössbauer study of $[\text{H}_3\text{dien}] \bullet (\text{MF}_6) \bullet \text{H}_2\text{O}$ (M = Cr, Fe)	. J. Solid State Chem. 180 (2007) 1911.
13	K. Adil, A. Ben Ali, M. Leblanc and V. Maisonneuve	On isoelectronic fluorides $[\text{H}_3\text{tren}] \bullet (\text{AlF}_6) \bullet \text{H}_2\text{O}$, $[\text{H}_3\text{tren}] \bullet (\text{AlF}_6) \bullet \text{HF}$, $[\text{H}_4\text{tren}] \bullet (\text{AlF}_6) \bullet (\text{F})$ and the iron analogue $[\text{H}_4\text{tren}] \bullet (\text{FeF}_6) \bullet (\text{F})$	Solid State Sciences, 8 (2006) 698.
14	A. Ben Ali, V. Maisonneuve, M. Leblanc	Synthesis and crystal structure of $\text{NaYb}(\text{CO}_3)_2\text{F}_2$	Acta Crystallogr., E62 (2006) i133.
15	A. Ben Ali, M. Leblanc, V. Maisonneuve,	Phase stability region in the $\text{Na}_2\text{CO}_3\text{-YF}_3\text{-H}_2\text{O}$ system at 190°C	Solid State Sciences 8 (2006) 1326.
16	A. Ben Ali, M.O.Awaleh, M. Leblanc, V. Maisonneuve, S. Houlbert,	Hydrothermal synthesis, crystal structure, thermal behaviour, IR and Raman spectroscopy of $\text{Na}_3\text{Y}(\text{CO}_3)_3 \bullet 6\text{H}_2\text{O}$	C. R. Chimie, 7 (2004) 661.
17	A. Ben Ali, V. Maisonneuve, S. Houlbert, G. Silly, J.Y. Buzaré, M. Leblanc,	Cation and anion disorder in new cubic rare earth carbonates $\text{Na}_2\text{LiLn}(\text{CO}_3)_3$	Solid State Sciences 6 (2004) 1237.



#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
		(Ln = Eu-Lu, Y); synthesis, crystal structure, IR, Raman and NMR characterizations	
18	K. Adil, A. Ben Ali, G. Dujardin, R. Dhal, M. Leblanc and V. Maisonneuve,	Ternary and tetrahedral symmetry in hybrid fluorides, fluoride carbonates and carbonates	J. Fluo. Chem., 125 (2004) 1709.
19	M.O. Awaleh, A. Ben Ali, V. Maisonneuve, M. Leblanc,	Microwave-assisted synthesis, crystal structures and thermal behaviour of $\text{Na}_5\text{Y}(\text{CO}_3)_4$ and $\text{Na}_5\text{Yb}(\text{CO}_3)_4 \cdot 2\text{H}_2\text{O}$	J. Alloys Compds, 349 (2003) 114.
20	A. Ben Ali, V. Maisonneuve, S. Kodjikian, L.S. Smiri, M. Leblanc	Synthesis, crystal structure and magnetic properties of a new fluoride carbonate $\text{Ba}_2\text{Co}(\text{CO}_3)_2\text{F}_2$	Solid State Sciences, 4 (2002) 503.
21	A. Ben Ali, V. Maisonneuve, L.S. Smiri, M. Leblanc,	Synthesis and crystal structure of the fluorocarbonate $\text{BaZn}(\text{CO}_3)\text{F}_2$, revision of the structure of $\text{BaMn}(\text{CO}_3)\text{F}_2$. Structure correlations	Solid State Sciences, 4 (2002) 891.
22	A. Ben Ali, V. Maisonneuve, M. Leblanc,	Phase stability regions in the $\text{YbF}_3\text{-Na}_2\text{CO}_3\text{-H}_2\text{O}$ system at 190°C . Crystal structure of two new fluoride carbonates, $\text{Na}_2\text{Yb}(\text{CO}_3)_2\text{F}$ and $\text{Na}_3\text{Yb}(\text{CO}_3)_2\text{F}_2$	Solid State Sciences 4 (2002) 1367.
23	A. Ben Ali, V. Maisonneuve, L.S. Smiri,	Crystal Structure of $\text{NaRbB}_4\text{O}_5(\text{OH})_4 \cdot 4\text{H}_2\text{O}$; comparison with Other tetraborate hydrates	J. Alloys Compds, 322 (2001) 153.

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Insaf Abdiet Amor Ben Ali,	Nouveau fluoro aluminate d'amine $[\text{C}_7\text{H}_{10}\text{N}]_2(\text{AlF}_5\text{H}_2\text{O})$; Synthèse, cristallographie et caractérisation par RMN du solide"	JNC17 – 17 ^{èmes} Journées Nationales de Chimie du 17 au 19 Décembre 2013 – Monastir
2	H. Sellemi, S. Coste, A. Ben Ali, P. Lacorre, L.S. Smiri,	"Synthesis of nanocrystalline oxide ion conductor $\text{La}_2\text{Mo}_2\text{O}_9$ by polyol processes"	Congrès International EUROMAT 2013, Seville (Espagne), 8-13 septembre 2013



#	Name of Investigator(s)	Research Title	Conference and Publication Date
3	Insaf Abdiet Amor Ben Ali,	Matériaux hybrides organiques inorganiques : synthèse et caractérisation	JNC17 – 17 ^{èmes} Journées Nationales de Chimie du 17 au 19 Décembre 2012 – Monastir
4	Imen Balti, Amor Ben Ali, Vincent Maisonneuve, Marc Leblanc et Tahar Ben Chaabane,	Synthèse et caractérisation d'un nouveau fluorozirconate hybride $[C_8H_{12}N]_4 \bullet (Zr_2F_{12})$	2 nd Tunisian crystallographic meeting, 10-12 Juin 2008, Hammamet, Tunisie.
5	K. Adil, M.A. Saada, A. Ben Ali, A. Hemon-Ribaud, M. Leblanc, V. Maisonneuve,	H_3O^+ , H_2O , HF , $(HF_2)^-$ or F^- in fluoride aluminates, ferrates, zirconates or tantalates templated with tren (tris-2(aminoethyl)amine	French-Japanese seminar : chemistry and physics of advanced inorganic fluorides ICMCB-CNRS/Bordeaux, 11 mai 2006.
6	K. Adil, A. Ben Ali, G. Dujardin, R. Dhal, V. Maisonneuve, M. Leblanc,	Ternary and tetrahedral symmetry in hybrid fluorides, fluoride carbonates and carbonates	International Conference on Fluorine Chemistry '04 Kyoto, Japon (2004).
7	M. Leblanc, V. Maisonneuve, A. Ben Ali	Phase diagram exploration by microwave assisted hydrothermal synthesis. Application to fluoride carbonates	26 th Fluorine Chemistry Conference, Fluorine Chemistry Research Committee. Fukui (Japan), 14-15 novembre, 2002
8	A. Ben Ali, V. Maisonneuve, S. Houlbert, A. Bulou, J. Y. Buzaré, G. Silly, M. Leblanc,	Etude du désordre dans une nouvelle famille de phases cubiques $Na_2LiLn(CO_3)_3$ (Ln = Eu-Lu, Y) par DRX, IR, Raman et RMN	7 ^{ème} Journées Francophones des Jeunes Physico-Chimistes 19-21 mars 2002, Monastir, Tunisie.
9	A. Ben Ali, V. Maisonneuve, L.S. Smiri et M. Leblanc,	Structure et propriétés magnétiques d'un nouveau fluorocarbonate $Ba_2Co(CO_3)_2F_2$	Journées Scientifiques de la Société Française de Chimie (Angers, France) 3-4 mai 2001.
10	H. Sellemi, S. Coste, A. Ben Ali, P. Lacorre, L.S. Smiri,	'Synthesis of nanocrystalline anionic conductor $La_2Mo_2O_9$ by polyol process, microstructural and electrical characterization''	1 st International Conference on Polyol Mediated Synthesis 22-25 June 2014. Paris-France
11	B. Grindi, Z. Beji, A. Ben Ali, L.-M. Lacroix, G. Viau	Microwave Synthesis of Magnetic Nanoparticles	International nanotechnology conference and exhibition, Nanotech MEET du 24 au 26 avril 2014 – Hammamet, Tunisie.
12	N. Ben Saber, Z. Beji, A. BenAli, L. Smiri, Guillaume Viau,	Elaboration et caractérisations de nanopoudres de grenat de fer et d'yttrium $Y_3Fe_5O_{12}$	Conférence Franco-maghrébine sur les Nanomatériaux. 2 -5 mai 2013 - Sousse
13	N. Ben Saber, Z. beji, A. Ben Ali, L. Smiri, Guillaume Viau,	Synthesis and ab-initio crystal structure of CoC_3H_6O	Conférence Franco-maghrébine sur les Nanomatériaux. 21 -23 mars 2014 - Sousse



#	Name of Investigator(s)	Research Title	Conference and Publication Date
14	H. Sellemi, A. BenAli, S. Coste, L. Smiri, P. Lacorre	Synthesis of nanocrystalline oxide ion conductor $\text{La}_2\text{Mo}_2\text{O}_9$ by polyol process	Conférence Franco-maghrébine sur les Nanomatériaux. 2 -5 mai 2013 – Sousse
15	I. Abdi et A. Ben Ali,	Synthèse et caractérisation d'un nouveau fluoroferrate hybride	JNC17 –Congrès de l'Association Française Cristallographie 2013, Grenoble 2-5 juillet 2013 France
16	N. Ben Saber, A. Aloui, A. Ben Ali	Elaboration d'alcoxyde de cuivre par hydrolyse forcée en milieu polyol	JNC17 – 17 ^{èmes} Journées Nationales de Chimie du 17 au 19 Décembre 2012 – Monastir, Tunisie
17	A. BenAli, K. Adil, A. Le Bail, M. Leblanc, A. Hémon-Ribaud, V. Maisonneuve,	New layered organic-inorganic fluorides	15 th European Symposium on Fluorine Chemistry, July 15-20, 2007, Prague, Czech Republic
18	A. Ben Ali, V. Maisonneuve, M. Leblanc,	Exploration rapide par voie hydrothermale micro-onde des diagrammes de phases $\text{Na}_2\text{CO}_3\text{-YbF}_3\text{-H}_2\text{O}$ et $\text{Na}_2\text{CO}_3\text{-YF}_3\text{-H}_2\text{O}$	6 ^{ème} Journées Francophones des Jeunes Physico-Chimistes 3-5 juillet 2002, Marseille.
19	A. Ben Ali, V. Maisonneuve, S. Houlbert, A. Bulou, M. Leblanc, L.S. Smiri,	Caractérisation par spectroscopies d'absorption IR et de diffusion Raman de l'ion CO_3^{2-} dans quelques carbonates	7 ^{ème} Journées Francophones des Jeunes Physico-Chimistes 19-21 mars 2002, Monastir Tunisie.

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	University of Dammam	Synthesis and characterization of hexaferrites $(\text{Sr},\text{Ba})\text{Fe}_{12}\text{O}_{19}$ nanoparticles with controlled morphology	30-1-2015
2	University of Dammam	Crystal study and characterization of nonmetal cations borate hybrid	29-11-2016

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Comity organization member	3rd Tunisian days Nanoscience's and Nanotechnologies, Sousse 29 to 31 July 2010.	



#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Comity organization member	The analysis diffraction powder data. Monastir 15 to 18 December 2010.	
	Comity organization member	1st school of nanomaterial and biomedical applications, Bizerte 3 to 9 November 2009.	

Last Update

5/12/2016