



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Roberto Anedda**

Address(es)

Telephone(s)

E-mail

Nationality

Date of birth

Gender

Work experience

Dates *January 2008-today*

Occupation or position held Senior Researcher at Porto Conte Ricerche – Alghero (SS)- Italy

Main activities and responsibilities Project planning and coordination of research activities. Research focus is on agricultural and food science (aquaculture and fish feed, dairy products and processes, viticulture and wine, baked goods), biomedicine, molecular imaging. Multivariate data analysis and metabolomics. Chromatography (GC, TLC). High field and low field NMR, MRI. Low-field NMR, relaxometry, diffusometry. MR Lab organization and maintenance. Research group leading duties.

Name and address of employer Porto Conte Ricerche srl – SP55 Porto Conte-Capo Caccia, Loc. Tramarglio, 07041 Alghero(SS)-Italy

Type of business or sector Research, technology transfer

Dates *June 2008*

Occupation or position held Tutor: *Chemical Methods for the characterization and georeferentiation of food products*

Main activities and responsibilities Teaching Analytical - Physical Chemistry

Name and address of employer Istituto Tecnico Commerciale Salvatore Satta – Loc. Biscollai – 08100 Nuoro - Italy

Type of business or sector Teaching – “Corsi IFTS - Istruzione e Formazione Tecnica Superiore”

Dates *October 2007-January 2008*

Occupation or position held Tutor of *Inorganic Chemistry*

Main activities and responsibilities Inorganic Chemistry Classes

Name and address of employer Materials Science Course – University of Cagliari – Department of Material Science – Palazzo Bellavista - Monteponi, Iglesias - Cagliari

Type of business or sector Teaching

Dates *June 2007 – July 2007*

Occupation or position held Tutor of *Material Science*

Main activities and responsibilities Materials Science Classes

Name and address of employer Program : “Tecnico superiore di diagnostica applicata al restauro” – “Experienced Technician for diagnosis applied to restoration” – IFTS course - Istituto “Grazia Deledda” - Cagliari

Type of business or sector	Teaching
Dates	February 2006 - February 2007
Occupation or position held	Guest worker at the National Research Council – Canada
Main activities and responsibilities	Research project: <i>Hyperpolarized ^{129}Xe NMR for the characterization of porous materials and proteins</i>
Name and address of employer	National Research Council – 100, Sussex Dr. – Ottawa (ON), K1A 0R6 – Canada
Type of business or sector	Research
Dates	November - December 2005
Occupation or position held	Tutor: <i>Physical Chemistry II</i> undergraduate level in Chemistry
Main activities and responsibilities	Teaching <i>Physical Chemistry</i>
Name and address of employer	University of Cagliari - Department of Chemical Sciences – University of Cagliari Cittadella Universitaria di Monserrato - S.S. 554 bivio Sestu - 09042 Monserrato, Cagliari (CA) - Italy
Type of business or sector	Teaching
Dates	October 2004 - June 2005
Occupation or position held	Tutor: <i>General and Inorganic Chemistry</i> and <i>Organic Chemistry</i> for the Course of Materials Science
Main activities and responsibilities	Teaching <i>General and Inorganic Chemistry</i> and <i>Organic Chemistry</i>
Name and address of employer	University of Cagliari - Department of Chemical Sciences – Course of Material science - Palazzo Bellavista – Monteponi – Iglesias - Italy
Type of business or sector	Teaching
Dates	April 2004-June 2004
Occupation or position held	Tutor: <i>Organic Chemistry</i> for the faculty of Biological Sciences
Main activities and responsibilities	Teaching <i>Organic Chemistry</i>
Name and address of employer	University of Cagliari - Faculty of Biological Sciences – Cittadella Universitaria di Monserrato - S.S. 554 bivio Sestu - 09042 Monserrato, Cagliari (CA) - Italy
Type of business or sector	Teaching
Dates	April 2004 – November 2004
Occupation or position held	Employed as collaborator of the University of Cagliari
Main activities and responsibilities	Research project: “Nuclear Magnetic Resonance of the ^{129}Xe nucleus for the structural and dynamical characterization of proteins”
Name and address of employer	University of Cagliari - Department of Chemical Sciences – University of Cagliari Cittadella Universitaria di Monserrato - S.S. 554 bivio Sestu - 09042 Monserrato, Cagliari (CA) - Italy
Type of business or sector	Research
Education and training	
Dates	April 2017 (~24 hours)
Principal subjects/occupational skills covered	Aquafeed extrusion technology course
Name and type of organisation providing education and training	FiE in conjunction with FoodStream and the Centre for Feed Technology (FôrTek), Norway

Dates	April 2017 (~16 hours)
Principal subjects/occupational skills covered	Food and Feed Drying technology course
Name and type of organisation providing education and training	FiE in conjunction with FoodStream and the Centre for Feed Technology (FôrTek), Norway
Dates	January 14, 2017 (~35 hours)
Principal subjects/occupational skills covered	English course Inlingua level 4A, CEF C1
Name and type of organisation providing education and training	Inlingua Italy, Alghero
Dates	June 1, 2012 (~50 hours)
Principal subjects/occupational skills covered	English course Inlingua level 4B, CEF C1
Name and type of organisation providing education and training	Inlingua Italy, Alghero
Dates	April 2017 (32 hours)
Principal subjects/occupational skills covered	Employees safety delegate training
Name and type of organisation providing education and training	Dott. Marcello Lizzeri, Skill Lab training center, Sassari
Dates	June 11, 2014 (3 days)
Principal subjects/occupational skills covered	First aid training
Name and type of organisation providing education and training	Ing. Muzzu Davide, Porto Torres
Dates	May 25, 2011
Principal subjects/occupational skills covered	Cryogenic gas safety course
Name and type of organisation providing education and training	Air Liquide – Coordinator of the course: Loris Ballerini
Dates	October 13-17, 2008
Principal subjects/occupational skills covered	Synthesis, physico-chemical characterisation and assessment of Lanthanide-based MR-Imaging Probes for cellular labeling –
Name and type of organisation providing education and training	Network of Excellence "Diagnostic Molecular Imaging" (DiMI) training Course Scientific advisor: Prof Silvio Aime Molecular Imaging Center – University of Torino -
Dates	November 2004-November 2007

Title of qualification awarded	Doctorate of Research (PhD)																						
Principal subjects/occupational skills covered	Research project "NUCLEAR MAGNETIC RESONANCE OF ¹²⁹ Xe AS A PROBE FOR STRUCTURAL CHARACTERIZATION OF POROUS MATERIALS AND PROTEINS"																						
Name and type of organisation providing education and training	University of Cagliari - Department of Chemical Sciences – University of Cagliari Cittadella Universitaria di Monserrato - S.S. 554 bivio Sestu - 09042 Monserrato, Cagliari (CA) – Italy																						
Dates	September 12-16, 2005																						
Title of qualification awarded	NMR National School –Organized by GIDRM Italy- Advanced level –																						
Name and type of organisation providing education and training	GIDRM (Gruppo Italiano Discussione Risonanze Magnetiche) – Italy																						
Dates	August 30 th –September 3 rd , 2004																						
Principal subjects/occupational skills covered	NMR National School –Organized by - Advanced level – Solid State NMR Torino																						
Name and type of organisation providing education and training	GIDRM (Gruppo Italiano Discussione Risonanze Magnetiche) - Italy																						
Dates	April 1 st , 2004																						
Title of qualification awarded	Degree in Chemistry. 110/110 <i>magna cum laude</i> , University of Cagliari																						
Principal subjects/occupational skills covered	Research Project: "Synthesis and spectroscopic characterization of ZnO–SiO ₂ nanocomposites obtained by Sol-gel technique of TEOS in presence of citric acid"																						
Name and type of organisation providing education and training	University of Cagliari - Department of Chemical Sciences – University of Cagliari Cittadella Universitaria di Monserrato - S.S. 554 bivio Sestu - 09042 Monserrato, Cagliari (CA) - Italy																						
Personal skills and competences																							
Mother tongue(s)	Italian																						
Other language(s)	English																						
Self-assessment	<table><tr><th colspan="2">Understanding</th><th colspan="2">Speaking</th><th>Writing</th></tr><tr><td colspan="2">Listening</td><td colspan="2">Reading</td><td>Spoken interaction</td><td>Spoken production</td><td></td></tr><tr><td></td><td>Good</td><td></td><td>Good</td><td></td><td>Good (fluent)</td><td></td><td>Good (fluent)</td><td></td><td>good</td></tr></table>	Understanding		Speaking		Writing	Listening		Reading		Spoken interaction	Spoken production			Good		Good		Good (fluent)		Good (fluent)		good
Understanding		Speaking		Writing																			
Listening		Reading		Spoken interaction	Spoken production																		
	Good		Good		Good (fluent)		Good (fluent)		good														
<i>European level</i>																							
Language																							
Social skills and competences	I worked in multicultural environments where communication is important and I believe teamwork is essential. I have personally activated scientific collaborations with researchers from Italy, Canada (National Research Council, University of Guelph), Taiwan, Russia, Japan, France and India. Good communication skills, independence, and sense of responsibility.																						
Organisational skills and competences	Member of the organizing committee and teacher of the Summer School on MRI, Raman and Food Technologies (Porto Conte Ricerche, Alghero, 2012) and of the Summer School on Magnetic Resonance in Food Science (Porto Conte Ricerche, Alghero, 2014) and of the Summer School Aquaculture and Biorefinery (Porto Conte Ricerche, Alghero and International Marine Center, Torregrande, 2016). I worked (2001-2004) as a collaborator of the University of Cagliari for the organization of a series of scientific events (The project is called "Scienza Società Scienza") having educational character and aiming to popularization of science. Those manifestations received the interest of thousands of visitors.I have good skills in human resources management.																						

Technical skills and competences	<p>Good knowledge of NMR theory and good practical skills in working with Nuclear Magnetic Resonance. Structural characterization of small molecules and macromolecules. Structural studies of paramagnetic proteins and enzymes. Host-guest interactions in inclusion compounds and supramolecular systems. NMR molecular characterization of food and agricultural products. Experience on HRMAS, Solid State, hyperpolarized gases, liquid samples.</p> <p>Magnetic Resonance Imaging (MRI) in food and other heterogeneous systems. Image acquisition and analysis, obtainment and interpretation of parametric maps.</p> <p>Solid state NMR analysis - Cross Polarisation techniques (CPMAS); High Resolution HRMAS for semi-solid samples like gels, tissues, foods.</p> <p>Study of nuclear relaxation processes in solution and in the solid state.</p> <p>Experience in using and maintaining devices for hyperpolarizing Xenon nuclei by alkali-metal spin exchange method (laser-polarization).</p> <p>NMR/MRI spectrometers maintenance (Helium and Nitrogen refill).</p> <p>Experience gained with both Varian and Bruker Instruments (<i>Varian</i> Unity INOVA 300 MHz and 400 MHz, this last equipped with wide bore Oxford magnet and solid state probes for MAS NMR; <i>Bruker</i> AMX 300 MHz equipped with custom-made probe and apparatus for hyperpolarized ^{129}Xe in continuous flow; Variable temperature setup; Doty Scientific probe for solid state samples (MAS NMR); <i>Bruker</i> Avance 600 MHz with quadruple resonance QXI probe, broad band probe BBO and HRMAS dual (^{13}C-^1H) probe; <i>Bruker</i> Avance 300 MHz with microimaging equipped with 30mm and 4mm coils– Paravision 6.1 software; TDNMR Bruker Minispec mq20 with gradients).</p> <p>Good knowledge of FTIR spectroscopy: transmittance and diffuse reflectance techniques (Bruker Equino 55, Bruker Vector 22, Digilab Excalibur FTS 3000MX)</p> <p>Other techniques used for routine analysis: UV-vis spectroscopy, Powder X-Ray Diffraction, Thermal Analysis (DSC/TGA), gas chromatography, thin layer chromatography, Dumas nitrogen analyzer, Ovens, freeze-dryers.</p> <p>Experience gained in using gloves-box and basic chemistry lab procedures.</p>
Computer skills and competences	<p>Computer:</p> <p>Windows 95-98, 2000, XP, 7, 8. Microsoft Word, Excel, Power Point, Kaleidagraph by Synergy Software, Origin, Visual Molecular Dynamics (VMD) [ref http://www.ks.uiuc.edu/Research/vmd/] , Internet browsers, basics of Matlab and Unix languages. Software for statistical analysis: Hi-Res, Bruker Aurelia-AMIX package, SIMCA-P.</p> <p>Software for NMR data acquisition and processing: Bruker TOPSPIN, Bruker XWinNMR, Bruker Paravision, Varian VNMR, Mestre-C and MNova by Mestrelab, dmfit software</p>
Driving licence	B (international)

Additional information

Some past and current collaborations:

Prof Mariano Casu, University of Cagliari, Italy
Prof Giovanni Floris, University of Cagliari, Italy
Prof Rosaria Medda, University of Cagliari, Italy
Prof Paolo Ruggerone, University of Cagliari, Italy
Prof John A. Ripmeester, NRC, Canada
Prof Chris I. Ratcliffe, NRC, Canada
Prof Long Li Lai, Taipei University, Taiwan
Prof Dmitriy Soldatov, University of Guelph, Canada
Prof. Sergio Uzzau – Porto Conte Ricerche –Alghero-Italy
Dr. Tonina Roggio – Porto Conte Ricerche - Alghero, Italy
Prof Marcella Corda, University of Cagliari, Italy
Dr. Igor Moudrakovski, NRC Canada
Dr. David Bardelang, NRC, Canada
Dr. Antonella Fais, University of Cagliari, Italy
Dr Mario Sechi, University of Sassari, Italy
Prof Gianni Nieddu, University of Sassari, Italy
Dr Hanno Slawski, AllerAqua, Denmark
Dr Giuseppe Serra, CNR, Sassari, , Italy
Prof Marco Saroglia, University of Insubria, Italy
Prof Laura Gasco, University of Turin, Italy
Prof Paolo Melotti and Prof Alessandra Roncarati, University of Camerino, Italy

Annexes

List of Congresses and publications, education and training

Il sottoscritto dichiara che le informazioni contenute nel presente curriculum vitae sono veritiere e corrette e, altresì, autorizza al trattamento dei dati personali e sensibili ai sensi e per gli effetti di cui al D.Lgs del 30.06.2003 n. 196.

Congresses and seminars

September 21st – 24th 2004

XXXIV National Congress on Magnetic Resonance GIDRM:
Porto Conte - Alghero (SS) - Italy

Oral presentation

“²⁹Si NMR and FT/IR INVESTIGATION of NANOPARTICLE-SILICA INTERACTIONS IN a ZnO/SiO₂ NANOCOMPOSITE”

R. Anedda, C. Cannas, A. Musinu, G. Piccaluga, M. Casu

June 28th 2005

“Young researchers’ day” – University of Sassari - Italy:

Oral presentation

“STRUCTURAL CHARACTERIZATION OF THE HYDROPHOBIC CAVITIES OF CYANOMETMYOGLOBINS BY MEANS OF ¹H and ¹²⁹Xe NMR”

R. Anedda, B. Era, M. Corda, A. Fais, C. Floris and M. Casu

February 21st, 2007

NRC-SIMS Meeting – MSF (Materials structure and function) Group- Ottawa, Canada

Oral presentation:

Roberto Anedda

“Taking a look at void space: ¹²⁹Xe NMR spectroscopy of porous materials and proteins”

June 4th, 2007

Speaker of a Seminar organized by the Department of Physics – University of Cagliari.

Nuclear Magnetic Resonance: Basic Concepts

June 19-22, 2007

National Congress of Physical Chemistry – Gallipoli (LE)-Italy

Poster selected for oral presentation:

Nuclear Magnetic Resonance of ¹²⁹Xe and ¹H: structural characterization of hydrophobic cavities of Myoglobins

Roberto Anedda, Benedetta Era, Antonella Fais, Matteo Ceccarelli, Marcella Corda, Mariano Casu and Paolo Ruggerone

September 12-15, 2007

XXXVII NATIONAL CONGRESS ON MAGNETIC RESONANCE, Verbania-Pallanza (VB)

Oral presentation:

Thermodynamics and molecular details of sorption in nanoporous dipeptides: a ¹²⁹Xe NMR study

R. Anedda, D.V. Soldatov, I.L. Moudrakovski, M. Casu, J.A. Ripmeester

June 30th, 2009

International Conference “Advances in Mediterranean Aquaculture”

Oral presentation (Invited speaker):

Protocols for assessing quality and traceability of aquaculture products by means of Nuclear Magnetic Resonance

R.Anedda

September 21-24, 2009

XXXIX NATIONAL CONGRESS ON MAGNETIC RESONANCE, Palermo

Oral presentation:

On Xenon as a neutral, independent biomolecular probe

R. Anedda, M. Casu

September 1-5, 2012

AQUA 2012, combined EAS and WAS event, that incorporated the "Aquaculture Europe" and "World Aquaculture" meetings, Prague

Oral presentation:

Multidisciplinary experimental approach and multivariate data analysis for characterizing growth and metabolisms of farmed gilthead sea bream (*Sparus aurata*)

Roberto Anedda, Carlo Piga, Viviana Santercole, Simona Spada, Elia Bonaglini, Roberto Cappuccinelli, Gilberto Mulas, Riccardo Melis, Tonina Roggio and Sergio Uzzau

May 22-24, 2013

AQUA 2012, combined EAS and WAS event, that incorporated the "Aquaculture Europe" and "World Aquaculture" meetings, Prague

Oral presentation:

Development of metabolomic protocols and multidisciplinary analyses for addressing quality and traceability issues in farmed gilthead sea bream

Roberto Anedda, Maria Filippa Addis, Daniela Pagnozzi, Riccardo Melis, Roberto Cappuccinelli, Elia Bonaglini, Stefania Ghisaura, Tonina Roggio, Sergio Uzzau

May 20-23, 2014

FoodMR 2014 - XII International Conference on the Applications of Magnetic Resonance in Food Science: Defining Food by Magnetic Resonance – Cesena

Oral presentation:

Magnetic resonance analyses of cheese for the detection of heat treatments on milk

Roberto Anedda, Gilberto Mulas, Riccardo Melis, Tonina Roggio, Sergio Uzzau

October 20-23, 2015

Aquaculture Europe 15 – Rotterdam October 20-23, 2015

Oral presentation:

Combined metabolic profiling, lipidomics and proteomics as powerful tools for investigating the metabolism of methionine in farmed gilthead sea bream *Sparus aurata*

R. Anedda, R. Melis, S. Ghisaura, R. Cappuccinelli, E. Bonaglini, G. Biosa, D. Pagnozzi, T. Roggio, S. Uzzau, M.F. Addis

April 19, 2017

GIDRM NMRDay: Fish and seafood applications

Oral presentation:

Roberto Anedda

Magnetic Resonance facing the challenges of aquaculture industry

Publications:

1. R. Medda, S. Longu, R. Anedda, A. Padiglia, A. Mura, M. Casu, and G. Floris
AN UNEXPECTED FORMATION OF THE SPECTROSCOPIC Cu^I-SEMIQUINONE RADICAL BY XENON-INDUCED SELF-CATALYSIS OF A COPPER QUINOPROTEIN
 Biochimie, 88 (2006) 827-835.
2. Matteo Ceccarelli, Paolo Ruggerone, Roberto Anedda, Mariano Casu, Antonella Fais, Benedetta Era, Maria Carla Sollaino and Marcella Corda
STRUCTURE-FUNCTION RELATIONSHIP IN A VARIANT HAEMOGLOBIN: A COMBINED COMPUTATIONAL-EXPERIMENTAL APPROACH
 BIOPHYSICAL JOURNAL, 91 (2006) 3529-3541
3. A. Mura, R. Anedda, F. Pintus, M. Casu, A. Padiglia, G. Floris and R. Medda
AN IMPORTANT LYSINE RESIDUE IN COPPER/QUINONE CONTAINING AMINE OXIDASES
 FEBS Journal 274(10), (2007) 2585-2595
4. R. Anedda, C. Cannas, M. Casu, A. Musinu, G. Piccaluga
A TWO-STAGE CITRIC ACID - SOL/GEL SYNTHESIS OF ZnO/SiO₂ NANOCOMPOSITES: STUDY OF PRECURSORS AND FINAL PRODUCTS
 Journal Nanoparticle Research, 10(1), (2008), 107-120
5. Matteo Ceccarelli, Roberto Anedda, Mariano Casu and Paolo Ruggerone
CO ESCAPE FROM MYOGLOBIN WITH METADYNAMICS SIMULATIONS
 Proteins - Structure, function and bioinformatics, 71(3), (2008), 1231-1236
6. Ripmeester, J., Moudrakovski, I., Soldatov, D., Pawsey, S., Anedda, R., Lai, L.-L.
CHARACTERIZING POLYMER POROSITY WITH 129XE NMR SPECTROSCOPY AND MICROIMAGING
 American Chemical Society, Polymer Preprints, Division of Polymer Chemistry (Conference Paper)
7. R. Anedda, D.V. Soldatov, I.L. Moudrakovski, M. Casu, J.A. Ripmeester
A NEW APPROACH TO CHARACTERIZING SORPTION IN MATERIALS WITH FLEXIBLE MICROPORES
 Chem. Mater. 20(9), (2008), 2908-2920
8. Bardelang, D.a , Udachin, K.A.a, Anedda, R.b, Moudrakovski, I.a, Leek, D.M.a, Ripmeester, J.A.a, Ratcliffe, C.I.
SINGLE-CRYSTAL TO SINGLE-CRYSTAL PHASE TRANSITION OF CUCURBIT[5]URIL HYDROCHLORIDE HYDRATES: LARGE WATER-FILLED CHANNELS TRANSFORMING TO LAYERS OF UNUSUAL STABILITY
 Chem. Commun. 40, (2008), 4927-4929
9. Roberto Anedda, Benedetta Era, Antonella Fais, Matteo Ceccarelli, Marcella Corda, Mariano Casu and Paolo Ruggerone
EVIDENCES OF XENON-INDUCED STRUCTURAL CHANGES IN THE ACTIVE SITE OF CYANO-METMYOGLOBINS: A ¹H NMR STUDY
 J. Phys. Chem. B 112, (2008), 15856-15866
10. Maria Antonietta Zoroddu, Serenella Medici, Massimiliano Peana and Roberto Anedda
AN NMR STUDY ON NICKEL BINDING SITES IN CAP43 PROTEIN FRAGMENTS
 Dalton Trans. 28, (2009), 5523-5534
11. Maria Antonietta Zoroddu, Serenella Medici, Massimiliano Peana and Roberto Anedda
NMR STUDIES OF ZINC BINDING IN A MULTI-HISTIDINIC PEPTIDE FRAGMENT
 Dalton Trans. 39 (5), (2010), 1282-1294
12. Pintus, F.a, Spanò, D.a, Bellelli, A.c, Angelucci, F.c, Scorciapino, A.M.b, Anedda, R.d, Medda, R.a, Floris, G.
EUPHORBIA PEROXIDASE CATALYZES THIOCYANATE OXIDATION IN TWO DIFFERENT WAYS, THE DISTAL CALCIUM ION PLAYING AN ESSENTIAL ROLE
 Biochemistry. 49(40), (2010), 8739-8747
13. Mulas, G., Galaffu, M.G., Pretti, L., Nieddu, G., Mercenaro, L., Tonelli, R., Anedda, R.
NMR ANALYSIS OF SEVEN SELECTIONS OF VERMENTINO GRAPE BERRY: METABOLITES COMPOSITION AND DEVELOPMENT
 J. Agric Food Chem. 59(3), (2011), 793-802
14. Secchi, N., Stara, G., Anedda, R., Campus, M., Piga, A. , Roggio, T., Catzeddu, P.
EFFECTIVENESS OF SWEET OVINE WHEY POWDER IN INCREASING THE SHELF LIFE OF AMARETTI COOKIES
 LWT Food Sci Technol. 44 (4), (2011), 1073-1078
15. Sanna, V. , Pintus, G. , Bandiera, P., Anedda, R., Punzoni, S., Sanna, B., Migaleddu, V., Uzzau, S., Sechi, M.

DEVELOPMENT OF POLYMERIC MICROBUBBLES TARGETED TO PROSTATE-SPECIFIC MEMBRANE ANTIGEN AS PROTOTYPE OF NOVEL ULTRASOUND CONTRAST AGENTS

Mol. Pharm. 8(3), (2011), 748-757

16. Scano, P., Anedda, R., Melis, M.P., Dessì, M.A., Lai, A., Roggio, T.

¹H- AND ¹³C-NMR CHARACTERIZATION OF THE MOLECULAR COMPONENTS OF THE LIPID FRACTION OF PECORINO SARDO CHEESE
J. Am Oil Chem. Soc. 88(9), (2011), 1305-1316

17. Gussoni, M.ab, Scorciapino, M.A.cd, Vezzoli, A.e, Anedda, R.f, Greco, F.b, Ceccarelli, M.dg, Casu, M.

STRUCTURAL CHARACTERIZATION OF RECOMBINANT HUMAN MYOGLOBIN ISOFORMS BY ¹H AND ¹²⁹XE NMR AND MOLECULAR DYNAMICS SIMULATIONS

Biochim. Biophys. Acta. 1814(12), (2011), 1919-1929

18. Anedda, R., Piga, C., Santercole, V., Spada, S., Bonaglini, E., Cappuccinelli, R., Mulas, G., Roggio, T., Uzzau, S.

MULTIDISCIPLINARY ANALYTICAL INVESTIGATION OF PHOSPHOLIPIDS AND TRIGLYCERIDES IN OFFSHORE FARMED GILTHEAD SEA BREAM (SPARUS AURATA) FED COMMERCIAL DIETS

Food Chem. 138 (2-3), (2013), 1135-1144

19. Mulas, G., Roggio, T., Uzzau, S., Anedda, R.

A NEW MAGNETIC RESONANCE IMAGING APPROACH FOR DISCRIMINATING SARDINIAN SHEEP MILK CHEESE MADE FROM HEAT-TREATED OR RAW MILK

J. Dairy Sci. 96(12), (2013), 7393-7403

20. Melis, R., Anedda, R.

BIOMETRIC AND METABOLIC PROFILES ASSOCIATED TO DIFFERENT REARING CONDITIONS IN OFFSHORE FARMED GILTHEAD SEA BREAM (SPARUS AURATA L.)

Electrophoresis. 2014, 35(11):1590-1598

21. Riccardo Melis, Roberto Cappuccinelli, Tonina Roggio, Roberto Anedda

ADDRESSING MARKETPLACE GILTHEAD SEA BREAM (SPARUS AURATA L.) DIFFERENTIATION BY ¹H NMR-BASED LIPID FINGERPRINTING

Food Res. Int. 2014, 63:258-264

22. Stefania Ghisaura, Roberto Anedda, Daniela Pagnozzi, Grazia Biosa, Simona Spada, Elia Bonaglini, Roberto Cappuccinelli, Tonina Roggio, Sergio Uzzau, and Maria Filippa Addis

IMPACT OF THREE COMMERCIAL FEED FORMULATIONS ON FARMED GILTHEAD SEA BREAM (SPARUS AURATA, L.) METABOLISM AS INFERRED FROM LIVER AND BLOOD SERUM PROTEOMICS Proteome Sci. 2014;12(1):44

23. Roberto Anedda

MAGNETIC RESONANCE ANALYSIS OF DAIRY PROCESSING SUITABLE TOOLS FOR THE DAIRY INDUSTRY (BOOK CHAPTER), in Magnetic Resonance in Food Science: Defining Food by Magnetic Resonance, Royal Society of Chemistry, 2015

24. G Mulas, G Ferrauto, W Dastrù, R Anedda, S Aime, E Terreno

INSIGHTS ON THE RELAXATION OF LIPOSOMES ENCAPSULATING PARAMAGNETIC LN-BASED COMPLEXES

Magnetic resonance in medicine 2015, 74 (2), 468-473

25. Stefania Ghisaura, Barbara Loi, Grazia Biosa, Maura Baroli, Daniela Pagnozzi, Tonina Roggio, Sergio Uzzau, Roberto Anedda, Maria Filippa Addis

PROTEOMIC DATASET OF PARACENTROTUS LIVIDUS GONADS OF DIFFERENT SEXES AND AT DIFFERENT MATURATION STAGES.

Data in brief 2016, 8, 824-827

26. G Mulas, R Anedda, DL Longo, T Roggio, S Uzzau

AN MRI METHOD FOR MONITORING THE RIPENING OF GRANA PADANO CHEESE.

International Dairy Journal 2016, 52, 19-25

27. Siliani S, Melis R, Loi B, Guala I, Baroli M, Sanna R, Uzzau S, Roggio T, Addis MF, Anedda R

INFLUENCE OF SEASONAL AND ENVIRONMENTAL PATTERNS ON THE LIPID CONTENT AND FATTY ACID PROFILES IN GONADS OF THE EDIBLE SEA URCHIN PARACENTROTUS LIVIDUS FROM SARDINIA. Mar Environ Res. 2016 Feb;113:124-33

28. Stefania Ghisaura, Barbara Loi, Grazia Biosa, Maura Baroli, Daniela Pagnozzi, Tonina Roggio, Sergio Uzzau, Roberto Anedda, Maria Filippa Addis

PROTEOMIC CHANGES OCCURRING ALONG GONAD MATURATION IN THE EDIBLE SEA URCHIN PARACENTROTUS LIVIDUS.

Journal of proteomics 2016, 144, 63-72

- 29.** Riccardo Melis, Roberta Sanna, Angela Braca, Elia Bonaglini, Roberto Cappuccinelli, Hanno Slawski, Tonina Roggio, Sergio Uzzau, Roberto Anedda
MOLECULAR DETAILS ON GILTHEAD SEA BREAM (SPARUS AURATA) SENSITIVITY TO LOW WATER TEMPERATURES FROM 1 H NMR METABOLOMICS
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