

CURRICULUM VITAE



I. PERSONAL DATA:

- 1. Full Name** Salem Marzougui
- 2. Place & Date of Birth** 02/01/1979 Gafsa. Tunisia
- 3. Nationality** Tunisian
- 5. Permanent Address** Salem Marzougui. BP 206. ElKef Ouest 7117. Tunisia
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II. ACADEMIC QUALIFICATIONS:

Degree	University	Country	Degree Year	Field of Specialization
Ph. D.	University of Tsukuba	Japan	2008-2012	Plant genomics
M.. Sc.	Institute of Biotechnology, ISBM Monastir	Tunisia	2004-2006	Genomics
B. Sc.	Institute of Biotechnology, ISBM Monastir	Tunisia	1999-2003	Biological sciences

Languages Skills:

Arabic	Speaking ×	Reading ×	Writing ×
English	Speaking ×	Reading ×	Writing ×
French	Speaking ×	Reading ×	Writing ×

Computer skills

MS office and windows	Advanced
Bioinformatics software (Map MakerQTL, QTL cartographer)	Advanced

III. PROFESSIONAL EXPERIENCE

Research Position (2014- To present): Research Associate in Barley genetics and breeding
Institution: Pole de recherche et développement agricole. ElKef Tunisia

VI. HONORS:

Name	Date
PhD scholarship from Tunisia Government	2007-2012

VI. RESEARCH EXPERIENCE:

Present Research

Improve Barley drought tolerance using genomic tools.

PhD research project:

QTL mapping using CSSL lines in rice

QTL mapping of 3 seed dormancy QTLs (Sdr6, Sdr9 and Sdr10) in rice using chromosome segment substitution lines derived from a cross between Koshihikari (Weak dormancy) and NonaBokra (Strong dormancy).

Map Based cloning of Sdr7, a seed dormancy major QTL in rice

High resolution mapping of Sdr7, a major QTL detected from a cross between Habataki (strong dormancy) and Sasanishiki (week dormancy) delimited the candidate region of Sdr7 to 46 Kb.

Sequencing of the candidate region revealed several insertions including a gene with high similarity to DOG1 gene (Delay Of Germination 1) cloned in Arabidopsis.

Physiological analysis of Sdr7 QTL

To characterize Sdr7 QTL, NIL carrying a segment from Habataki in Sasanishiki background was developed. ABA treatment of Sasanishiki and NIL [Sdr7] shows a high sensitivity of Habataki alleles, however no difference in ABA accumulation. These results indicate that dormancy in NIL [Sdr7] is due to ABA sensitivity rather than ABA accumulation.

V. LIST OF PUBLICATIONS

- Tomoki Hoshino, **Salem Marzougui**, Yoshinobu Takeuchi, Masahiro Yano, Kazuhiko Sugimoto (2013) Sdr7, A Quantitative Trait Locus for Seed Dormancy in Rice, Encodes an Ortholog of the Arabidopsis Protein Delay of Germination 1. International Plant and Animal Genome Conference XXI 2013.
- **Salem Marzougui**, Kazuhiko Sugimoto, Utako Yamanouchi, Masaki Shimono, Tomoki Hoshino, Kiyosumi Hori, Masatomo Kobayashi, Kanako Ishiyama, Masahiro Yano (2012) Mapping and characterization of seed dormancy QTLs using chromosome segment substitution lines in rice. Theor Appl Genet. 124(5):893-902.
- Kazuhiko Sugimoto, **Salem Marzougui** and Masahiro Yano (2009). Genetic Control of Seed Dormancy in Rice. Gamma Field Symposia, No 48.

VI. Conferences Attended:

1. **Salem Marzougui**, K. Sugimoto, Y. Takeuchi, M. Yano (2010). Toward the map base cloning of *Sdr7*, a QTL controlling seed dormancy of rice. Japanese Society of Breeding, Kyoto University
2. **Salem Marzougui**, Yoshinobu Takeuchi, Utako Yamanouchi, Kazuhiko Sugimoto, Masahiro Yano (2011). Map-based cloning of Sdr7, a gene for resistance to pre-harvest sprouting in rice. International symposium of rice functional genomics 9, Taiwan 2011.
3. **Salem Marzougui**, Kazuhiko Sugimoto, Utako Yamanouchi, Masaki Shimono, Tomoki Hoshino, Kiyosumi Hori, Masatomo Kobayashi, Kanako Ishiyama, Masahiro Yano (2011). Mapping and characterization of seed dormancy QTLs using chromosome segment substitution lines in rice. International symposium of rice functional genomics 9 (ISRFG9), Taiwan 2011.

VII. REFERENCES

Pr. Masahiro Yano (PhD Supervisor)	General Director, Institute of crop science, Tsukuba, Japan	myano@affrc.go.jp
Dr. Kazuhiko Sugimoto (PhD co-supervisor)	Senior Researcher, Rice Applied Genomics Research Unit. National Institute of Agrobiological Sciences, Japan	kazuhiko@affrc.go.jp
Pr Mongi Ben Younes (Head of Institution)	Director, Pole de recherche et développement Agricole. El Kef, Tunisia	benyounes.mongi@iresa.agrinet.tn