
PERSONAL INFORMATION

Rachid MRABET *PhD* **Research Director (INRA, Rabat)**

<https://www.adscientificindex.com/scientist/rachid-mrabet/4484430>

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Date & Place of Birth: July 22nd, 1964, Oujda, Morocco

Nationality: Moroccan

Marital Status: Married (Mustapha, Sami & Ghita)

Professional Address : Institut National de la Recherche Agronomique (INRA).

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https://www.researchgate.net/profile/Rachid_Mrabet

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<https://scholar.google.fr/citations?user=RZyhrbUAAAAJ&hl=fr>

EDUCATION - DIPLOMA

1993-1997 - PhD in Agronomy - Department of Soil & Crop Sciences, Colorado State University, Fort Collins, CO. USA.

1986-1989 - MSc in Soil Physics - Institut Agronomique et Vétérinaire Hassan II (IAV Hassan II), Rabat, Morocco.

July 1986 - February 1988 - Adult Special in Soil Physics - Department of Soil, Water, and Climate, University of Minnesota, Saint Paul, MN, USA.

1982-1986 - BSc in Agricultural Engineering – IAV Hassan II, Rabat, Morocco (July 1986).

1982 – High School Diploma, Lycée Omar Ibn Abdelaziz, Oujda, Morocco.

THESIS

- ✓ **Mrabet, R.** (1997). Crop residue management and tillage systems for water conservation in a semiarid area of Morocco. *PhD* Dissertation. Colorado State University, Fort Collins, CO, USA, 220p. https://colostate-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=01COLSU_ALMA21149392690003361&context=L&vid=01COLSU&lang=en_US&search_scope=Everything&adaptor=Local%20Search%20Engine&tab=default_tab&query=any,contains,Rachid%20Mrabet
- ✓ **Mrabet, R.** (1989). Contribution à l'étude du processus d'infiltration d'eau dans deux vertisols. Mémoire d'Ingénieur Agronome (MSc), Institut Agronomique et Vétérinaire Hassan II, Rabat, Morocco, 200p (with English and Arabic abstracts).

RESEARCH POSITION

- A. August 2003 to present: **Research Director** (Institut National de la Recherche Agronomique (INRA-Morocco)).
- B. March 1998 –July 2003: **Associate Researcher** (INRA Dryland Research Center, Settlat – Morocco).
- C. January 1990 – February 1998: **Research Engineer** (INRA Dryland Research Center, Settlat – Morocco).

PROFESSIONAL/EMPLOYMENT POSITION

- 1) **Since October 14th, 2020: President:** Consultative Ethics and Scientific Integrity Committee, INRA Morocco
- 2) 2012-2019: **Head of Scientific Division** of INRA Morocco with duties of leadership, knowledge management, innovative scientific thinking, research priority setting, designing, coordinating, institutional budget overview, funding quality and supervising research program as well as augmenting science quality and performance and scope of impact and guiding and implementing cooperation strategy at INRA. Develop teamwork, empowerment, collaboration, and targeting for results, Declining aricultural policies into long-term scientific policy of the institution <https://www.inra.org.ma/fr/content/division-scientifique-8>
- 3) 2007-2012: **Head** of Regional Center of Agricultural Research of Tangier (INRA Tangiers): Regional representative of INRA Director vis-à-vis adiministration and institutions at regional and local levels. I had also duties to develop a culture of teamwork, mobilize and manage human resources, financial, logistics and infrastructure as well as allocated funds from cooperation projects both national and international and coordinate research teams through fostering interdisciplinary approaches and development plans in order to secure scientific excellence and technological watch. I was also resposnsible for career development, empowerment, performance appraisal and safety of all personel.
- 4) 2003-2007: **Head** of Regional Center of Agricultural Research of Meknes (INRA Meknes). Idem as above.
- 5) 2000-2003: Head of Soil Physics Laboratory, INRA Dryland Research Center of Settlat.
- 6) 1992-1993: Head of Soil Management Unit, INRA Dryland Research Center of Settlat.

RESEARCH & EXPERTISE DOMAINS

- Agro-Ecology – Conservation Agriculture – Climate Smart Agriculture – Circular economy – Nature based solutions – Carbon farming.
- Climate change and vulnerability.
- Soil Quality and Carbon Modeling & Sequestration.
- Drought and Climate Change Adaptation.
- Food Systems, Security and Governance.
- Natural Resources Management.
 - Project Development & Evaluation
 - Agricultural Research Design & Management.
- Cropping System Modeling and Yield Forecasting.
- Hydrology & Soil Physics
- Soil contamination
- Soil fertility and Fertilizers
- Desertification & Soil Erosion
- Irrigation & Salinity Cereal-Legume-
- Oasis & Rangeland Management and Rehabilitation

EMERGING RESEARCH INTERESTS

- ✓ WEFE nexus and approach
- ✓ Soil Security and Policy
- ✓ Integrated Land Use Planning
- ✓ Smart Farming & Artificial Intelligence
- ✓ Environmental Ethics

COOPERATION & PARTNERSHIP (1990-2023)

	Number of Projects	Partners/Countries
National Cooperation	16	Ministries, Universities, Development Agencies, Extension direcorate ...
Bilateral Cooperation	14	Canada, France, Spain, Belguim, Hungary, USA, Netherlands ¹ , Germany
International Cooperation	31	CWANA, Latin America and Caraibes, Mediterreanean Countries & Sub-Saharan Africa

Total Value
8.5 Millions Dollars

¹ As independent Expert

AWARDS & HONORS

- 1) 2022 Gulbenkian Prize for Humanity. The Intergovernmental Panel on Climate Change (IPCC) is a co-laureate of the 2022 Gulbenkian Prize for Humanity, together with the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES). <https://www.ipcc.ch/2022/10/13/ipcc-2022-gulbenkian-prize-for-humanity/>
- 2) The Network of Mediterranean Experts on Climate and Environmental Change (MedECC) of the Union for the Mediterranean has received [2020 North South Prize of the Council of Europe](https://www.coe.int/en/web/north-south-centre/-/the-international-commission-against-the-death-penalty-and-the-network-of-mediterranean-experts-on-climate-and-environmental-change-medecc-of-the-unio), that elaborated MAR1 the first-ever scientific assessment on climate and environmental change impact in the Mediterranean basin. <https://www.coe.int/en/web/north-south-centre/-/the-international-commission-against-the-death-penalty-and-the-network-of-mediterranean-experts-on-climate-and-environmental-change-medecc-of-the-unio> : As CLA for this MAR1, I am member of MedECC network as well. November 13th, 2020. <https://rm.coe.int/decision-jury-nsp2020/1680a0b27f>
- 3) Distinguished Research Award 2019 – World Association of Soil and Water Conservation (WASWAC) November 6th, 2019 New Delhi (India). http://www.waswac.org.cn/waswac/Awards/draward/A590502index_1.htm
- 4) With my PhD student Dr. Hamza Briak:
 - November 10 – 11, 2018: Best Project for Young Researcher on « Multi-variable calibration and validation of SWAT model for simulation of water balance and sediment yield of a watershed in Northern Morocco » Young Researchers Days, Polytechnic University Mohammed VI, Benguerir, Morocco.
 - August 27 – 31 2018: Best Research Paper for Young Researcher (Datum – 2018) « Use of a calibrated SWAT model to evaluate the effects of agricultural BMPs on sediments of the Kalaya River basin (North of Morocco) » WASWAC 2nd International Youth Forum on Soil and Water Conservation, University of Moscow, Russia.
http://www.waswac.org.cn/waswac/Awards/oyaward/A590505index_1.htm
- 5) Hassan II Grand Prize for innovation and research in agriculture, Ministry of Agriculture and Marine Fisheries, Rabat, Morocco 2009. http://www.libe.ma/Agriculture-Le-Grand-Prix-Hassan-II-pour-l-invention-et-la-recherche_a6139.html
- 6) Best Lecturer for Soil & Tillage Research in 2009.
- 7) Van Ouwerkerk Memorial Award, Brisbane, Australia, 2003.
- 8) International Soil Tillage Research Organisation (ISTRO) Award, Fort Worth, USA, 2000.
- 9) International Erosion Control Association (IECA) Award, 1994, Reno, Nevada, USA.

EXPERT: IPCC, MEDECC, UNEP-GEO

Coordinating Lead Author: UNEP – Global Environment Outlook (GEO-7)

<https://www.unep.org/global-environment-outlook/geo-7>

Lead Author (Chapter 6): MedECC Special Report on the WEF Nexus.

Coordinating Lead Author (WGIII - Chapter 7: Agriculture, Forestry and Other Land Uses - AFOLU), IPCC – Sixth Assessment Report (AR6)

<https://apps.ipcc.ch/report/authors/report.authors.php?q=37&p=>

Coordinating Lead Author MedECC (Chapter 3: Resources): MedECC First Assessment Report (MAR1). <http://www.medecc.org/?p=1774> / <http://www.medecc.org/?p=1818>

<https://www.medecc.org/first-mediterranean-assessment-report-mar1/>

Expert for Inter-Governmental Panel for Climate Change (IPCC)

https://www.ipcc.ch/report/sr15/pdf/sr15_scoping_final_list.pdf .

Review Editor (Chapter 2), IPCC - Special Report on Global warming of 1.5°C (SR15)

<http://www.ipcc.ch/report/authors/report.authors.php?q=32&p=>

https://www.ipcc.ch/site/assets/uploads/sites/2/2019/02/SR15_Chapter2_Low_Res.pdf

PUBLICATION METRICS

Publication Type	Number
Books	21
Peer-reviewed Papers	91
Book Chapters	31
Conference papers	44
Conference abstracts	223

Books

1. IPCC, 2022: Summary for Policymakers. In: Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [P.R. Shukla, J. Skea, R. Slade, A. Al Khourdajie, R. van Diemen, D. McCollum, M. Pathak, S. Some, P. Vyas, R. Fradera, M. Belkacemi, A. Hasija, G. Lisboa, S. Luz, J. Malley, (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA. doi: 10.1017/9781009157926.001.
2. Pathak, M., R. Slade, P.R. Shukla, J. Skea, R. Pichs-Madruga, D. Ürge-Vorsatz, 2022. Technical Summary. In: Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [P.R. Shukla, J. Skea, R. Slade, A. Al Khourdajie, R. van Diemen, D. McCollum, M. Pathak, S. Some, P. Vyas, R. Fradera, M. Belkacemi, A. Hasija, G. Lisboa, S. Luz, J. Malley, (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA. doi: 10.1017/9781009157926.002.
3. Apreda, R., L. Baltina, R. Campolmi, C. Fratalia, T. Hogarth and **R. Mrabet**. 2021. The future of skills: A case study of the agri-food sector in Morocco. European Training Foundation. 87p. <https://www.etf.europa.eu/en/publications-and-resources/publications/future-skills-case-study-agri-food-sector-morocco>
4. MedECC, 2020. Summary for Policymakers. In: Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report [Cramer W, Guiot J, Marini K (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, pp 11-40, doi:10.5281/zenodo.5513887.
5. Al-Faiz, C., Amamou, A., Bennani, S., El Yousfi, B., Gaboun, F., Iaaich, H., Ibn Ali El Alaoui, M., Jilal, A., Mouaaaid, A., Moussadek, R., **Mrabet, R.**, Nasrallah, N., Ramdani, A., Salih, G., Taghouti, M., Tirazi, R. & Zirari, A. 2017. Guide pour le choix des variétés INRA de Blé dur, Blé tendre et Orge. INRA Publications, Rabat. 62 pages.
6. **Mrabet, R.**, Moussadek, R. & P.C. Wall. 2016. Guide Pratique d'Agriculture de Conservation en Asie de l'Ouest et Afrique du Nord. ICARDA Publication. 51p.
7. Moussadek, R., **Mrabet, R.** & P.C. Wall. 2016. Guide de gestion intégrée de l'agriculture de conservation dans la région de l'Afrique du Nord et l'Asie de l'Ouest. ICARDA Publication, 59p. (in arabic).
8. Moussadek, R., Chati, M.T., **Mrabet, R.** et al. 2016. Atlas de la qualité des sols et des eaux du périmètre d'Issen. 39p. ISBN: 978-9954-39-214-0.
9. Moussadek, R., Chati, M.T., **Mrabet, R.** et al. 2016. Atlas de la qualité des sols et des eaux du périmètre d'El Guerdane. 36p. ISBN: 978-9954-39-215-7.
10. **Mrabet, R.** & P. Wall. 2015. Practical guide for conservation agriculture in West Asia & North Africa. International Center for Agricultural Research in the Dry Areas (ICARDA), PO Box 114/5055, Beirut, Lebanon. 40p. <http://repo.mel.cgiar.org/handle/20.500.11766/7531>
11. Naimi, M., Chikhaoui, M., Sabir, **M., Mrabet, R.**, Moussadek, R. & Loukili, M. (2015). Guide de conservation des eaux et des sols. Actes-éditions IAV Hassan II, Rabat.

12. Dahan, R., Boughlala, M., **Mrabet, R.**, Laamari, A., Balaghi, R. & L. Lajouad. 2012. [A review of Available Knowledge on land Degradation in Morocco](#). ISBN: 92-9127-265-5. ICARDA publication. 38p.
13. Moussadek, R & **Mrabet, R.** 2012. Guides sur les techniques de gestion des sols pour l'adaptation aux changements climatiques au Maroc. GIZ-Rabat. 42p.
14. **Mrabet, R.**, A. Bentaibi, N. Bahri, R. Balaghi, A. Chergaoui, M. Ferrahi, A. Kajji, K. Saffou, F. Nassif, M. Fagouri, O. El Arbi, Z. Said, M. Moussaoui & M. El Mourid. 2011. Amélioration des conditions d'existence des communautés rurales et gestion des ressources naturelles dans le Moyen Atlas Oriental : Cas de la Commune Rurale d'Ait Bazza. 100pp. INRA – SDC – ICARDA. ISBN: 978-9973-9992-6-9.
15. **Mrabet, R.** 2011. L'agriculture de conservation : Guide pour les décideurs. FAO – Tunis. 21p. (English & French version).
16. **Mrabet, R.** 2011. L'agriculture de conservation : Guide pour les agriculteurs de l'Afrique du Nord. FAO – Tunis. 33p. (English & French version)
17. **Mrabet, R.** 2008. No-Tillage systems for sustainable dryland agriculture in Morocco. INRA Publication. Fanigraph Edition. 153p.
18. Saidi, S., **R. Mrabet** et al. 2007. Deuxième rapport National sur l'état des ressources phytogénétiques pour l'alimentation et l'agriculture (RPGAA). Saidi, S. (Ed). FAO Publication. 58p.
19. **Mrabet, R.** 2003. La lutte contre la désertification et la sécheresse en Afrique du Nord. Centre de développement sous-régional pour l'Afrique du Nord de la Commission économique des Nations Unies pour l'Afrique (CDSR-AN/CEA). 36p. <http://repository.uneca.org/bitstream/handle/10855/5126/Bib-33658.pdf?sequence=1>
20. **Mrabet, R.** 2001. Le semis direct : potentiel et limites pour une agriculture durable en Afrique du Nord. CDSR-AN/CEA. 30p. <http://www.uneca.org>
21. Beqqali, M., **Mrabet, R.**, I. Thami Alami, M. El Gharrous et al. 1998. Vocation Agricole des terres dans les zones d'agriculture pluviale (rapport et cartes). INRA Publication. 131p.

PUBLICATIONS IN REFERRED JOURNALS

1. Beroho, M., K. Aboumaria, Y. El Hamdouni, I. Boulahfa, A. Ouallali, **R. Mrabet**, F. Kebede, & H. Briak. Modelling the impacts of future LULC and climate changes on the hydrological components and sediment yield of a Mediterranean watershed in Morocco (North Africa). *Science of the Total Environment*. *Submitted*.
2. Omari, F.E., L. Beniken, A. Zouahri, **R. Mrabet**, H. Benaouda, R. Benkirane and H. Benyahia. 2023. Optimization of NPK levels of Clementine Sidi Aissa (*Citrus reticulata* Blanco) trees grafted on different citrus rootstocks. *Agronomy Research* 21(X), xxx–ccc, 2023. <https://doi.org/10.15159/AR.23.099>.
3. Taleb, A., K. Arsalan, N. Benaouda Tlemçani & **R. Mrabet**. 2023. Inventaire de la flore du Jardin d'Essais Botaniques de Rabat. *Afrimed AJ –Al Awamia*. 139:151-173. <https://doi.org/10.34874/IMIST.PRSM/afrimed-i139.41339>.
4. **Mrabet, R.** & R. Moussadek 2023. Climate Smart Agriculture with Conservation Agriculture for Development. 46: 40-42.
5. El Mekkaoui, A., Moussadek, R., **Mrabet, R.**, Douaik, A., El Haddadi, R., Bouhlal, O., Elomari, M., Ganoudi, M., Zouahri, A. & Chakiri, S. 2023. Effects of Tillage Systems on the Physical Properties of Soils in a Semi-Arid Region of Morocco. *Agriculture*. 13(3), 683. <https://doi.org/10.3390/agriculture13030683>
6. Iaach, H., Moussadek, R., **Mrabet, R.**, Douaik A., Baghdad, B., Benmansour, M., Zouagui, A., Asserar, N. & Bouabdli, A. 2023. Evaluation of the Impact of No-Till on Soil Erosion using Soil Aggregate Stability and Fallout Radionuclides in Northern Morocco. *Ecological Engineering & Environmental Technology*. 24(3):241-248. <https://doi.org/10.12912/27197050/159433>
7. Moussadek, R., Laghrour, M., **Mrabet, R.** & Van Ranst, E. 2023. Crop Yields under Climate Variability and No-Tillage System in Dry Areas of Morocco. *Ecological Engineering & Environmental Technology*. 24(1):221-232. <https://doi.org/10.12912/27197050/155024>
8. Beroho, M., Briak, H., Cherif, E.K., Boulahfa, I., Ouallali, A., **Mrabet, R.**, Kebede, F., Bernardino, A. & Aboumaria, K. 2023. Future Scenarios of Land Use/Land Cover (LULC) Based on a CA-Markov Simulation Model: Case of a Mediterranean Watershed in Morocco. *Remote Sensing*. 15(4):1162. <https://doi.org/10.3390/rs15041162>
9. Benicha, A. & **R. Mrabet**. 2022. R'mel groundwater quality as influenced by agricultural activities. *Afrimed AJ*. 137:123-138. <https://doi.org/10.34874/IMIST.PRSM/afrimed-i137.36810>
10. **Mrabet, R.** 2022. Advanced and emerging agricultural innovations for securing food, climate and ecosystems in Moroccan oasis. *Journal of Oasis Agriculture and Sustainable Development*. Special Issue (June): 6-15. <https://doi.org/10.56027/JOASD.spiss022022>
11. Lembaid, I., Moussadek, R., **Mrabet, R.** & Bouhaouss, A. 2022. Modeling Soil Organic Carbon Changes under Alternative Climatic Scenarios and Soil Properties Using DNDC Model at a Semi-Arid Mediterranean Environment. *Climate*. 10(2):23. <https://doi.org/10.3390/cli10020023>
12. Benicha, M., **Mrabet, R.**, Moussadek, R. & Azmani, A. 2022. Study on Degradation Processes of ¹⁴C-Carbofuran in Soil from Northwest Morocco as Influenced by Soil Water Content, Temperature and Microbial Activity. *Current Topics on Chemistry and Biochemistry*. 4(23): 17-39. <https://doi.org/10.9734/bpi/ctcb/v4/2273B>

13. Benicha, M., Ayadi, M., Zantar, S. & **Mrabet, R.** 2022. Sorption–desorption equilibria of Deltamethrin in two contrasting agricultural soils of Loukkos North-west of Morocco. *Afrimed AJ*. 135:16-36.
14. Devkota, M., Yadvinder-Singh, Y. A. Yigezu, I. Bashour, R. Moussadek & **R. Mrabet**. 2021. Conservation agriculture in the drylands of the Middle East and North Africa (MENA) region: Past trend, current opportunities, challenges, and future outlook. *Advances in Agronomy*. <https://doi.org/10.1016/bs.agron.2021.11.001>.
15. Iaaich, H., O. Iben Halima, A. Mamassi, A. Douaik, **R. Mrabet** & R. Moussadek. 2021. Digital soil mapping: case study from the Khouribga - Kasbat Tadla zone in Central Morocco. *African Mediterranean Agricultural Journal (Afrimed AJ– Al Awamia)*. Special Issue on Digital Agriculture. 132:91-104.
16. Yigezu, Y.A., T. El-Shater, M. Boughlala, M., Devkota, **R. Mrabet** & R. Moussadek. 2021. Can an incremental approach be a better option in the dissemination of conservation agriculture? Some socioeconomic justifications from the drylands of Morocco. *Soil and Tillage Research* Volume 212, 2021, 105067. <https://doi.org/10.1016/j.still.2021.105067>
17. Benicha, M., **R. Mrabet** and A. Azmani. 2021. Study on Biodegradation and Dissipation of ¹⁴C-Carbofuran in Clay Soil from Loukkos Perimeter, Northwestern Morocco. *New Ideas Concerning Science and Technology*. 7:92-103. <https://doi.org/10.9734/bpi/nicst/v7/2709D>
18. El Mekkaoui, A., R. Moussadek, **R. Mrabet**, S. Chakiri, A. Douaik, A. Ghanimi & A. Zouahri. 2021. The conservation agriculture in northwest of Morocco (Merchouch area): The Impact of no-till systems on physical properties of soils in semi-arid climate. *E3S Web of conferences*. 234 (2021) 00037 <https://doi.org/10.1051/e3sconf/202123400037>
19. Lembaid, I., R. Moussadek, **R. Mrabet**, A. Douaik & A. Bouhaouss. 2021. Modeling the effects of farming management practices on soil organic carbon stock under two tillage practices in a semi-arid region, Morocco. *Heliyon* 7(1). <https://doi.org/10.1016/j.heliyon.2020.e05889>
20. Beroho, M., Briak, H., El Halimi, R., Ouallali, A., Boulahfa, I., **Mrabet, R.**, Kebede, F. and Aboumaria, K. 2020. Analysis and prediction of climate forecasts in Northern Morocco: application of multilevel linear mixed effects models using R software. *Heliyon* 6 (10). <https://doi.org/10.1016/j.heliyon.2020.e05094>
21. Omari, F.E., Beniken, L., Zouahri, A., Douaik, A., **Mrabet, R.**, Benkirane, R. & Benyahia, H. 2020. Effet de la fertilization N, P et K sur la production et la qualité des fruits de la clémentine Sidi Aissa. *African Mediterranean Agricultural Journal (Afrimed AJ– Al Awamia)*. 129:76-91.
22. Homrani Bakali, A., **R. Mrabet**, Acherckouk M. & Maatougui A. 2020. *Salsola vermiculata* espèce prometteuse pour la réhabilitation des paturages présahariens du Maroc. *African Mediterranean Agricultural Journal (Afrimed AJ– Al Awamia)*. 128:143-157.
23. Homrani Bakali, A., **R. Mrabet**, Acherckouk M. & Maatougui A. 2020. La fertilisation améliore la production des prairies humides naturelles dans la montagne du Haut Atlas Oriental du Maroc : cas de la région d'imilchil. *African Mediterranean Agricultural Journal (Afrimed AJ – Al Awamia)*. 128:93-124.

24. Hamim, A., A. Boukeskase, L. Miche, **R. Mrabet**, R. Duponnois, M. Hafidi, S. Barrijal, Y. Ouhdouch & A. Farouki. 2019. Phosphorus solubilizing and PGR activities of ericaceous shrubs microorganisms isolated from Mediterranean forest soil. *Biocatalysis and Agricultural Biotechnology*. Volume 19, May 2019, 101128. <https://doi.org/10.1016/j.bcab.2019.101128>
25. Laghrour, M., R. Moussadek, **R. Mrabet** & M. Mekkaoui. 2019. Effet à moyen et à long terme du semis direct sur la matière organique, la stabilité structurale et la compaction des sols argileux au Maroc. *Rev. Mar. Sci. Agron. Vét.* 7(2) :356-362.
26. Briak, H., **Mrabet, R.**, Moussadek, R. & Aboumaria, K. 2019. Use of a calibrated SWAT model to evaluate the effects of agricultural BMPs on sediments of the Kalaya River basin (North of Morocco). *International Soil and Water Conservation Research*. 7(2): 176-183. <https://doi.org/10.1016/j.iswcr.2019.02.002>
27. Benicha, M., **R. Mrabet** & A. Azmani. 2019. Biodegradation and dissipation of 14C-carbofuran in clay soil from Loukkos perimeter, Northwestern Morocco. *African Journal of Soil Science*. 7(5) :1-7.
28. Hajjaj, B., Bouhache, M., **Mrabet, R.** & Taleb, A. 2018. Stock semencier des mauvaises herbes dans le sol et évolution de la flore de surface sous système de semis direct. *Revue Marocaine de Protection des Plantes*. 12 : 1-17.
29. Khayi, S., N. Azza, F. Gaboun, S. Pirro, O. Badad, M. G. Claros, D. A. Lightfoot, T. Unver, B. Chaouni, R. Merrouch, B. Rahim, S. Essayeh, M. Ganoudi, R. Abdelwahd, G. Diria, M. Alaoui Mdarhi, M. Labhilili, D. Iraqi, J. Mouhaddab, H. Sedrati, M. Memari, N. Hamamouch, J. de Dios Alché, N. Boukhatem, **R. Mrabet**, R. Dahan, A. Legssyer, M. Khalfaoui, M. Badraoui, Y. Van de Peer, T. Tatusova, A. El Mousadik, R. Mentag & H. Ghazal. 2018. First draft genome assembly of the Argane tree (*Argania spinosa*). F1000Research. DOI:10.12688/f1000research.15719.1 <https://biblio.ugent.be/publication/8577912/file/8577913.pdf>
30. Hamim, A., A. Boukeskase, R. Duponnois, **R. Mrabet** & M. Hafidi. 2018. Screening and quantification of enzyme activity of ericoid fungi under solid-state fermentation. *J. Mater. Environ. Sci.* 9 (5) :1431-1438. <https://doi.org/10.26872/jmes.2018.9.5.156>
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 - **Mrabet**, R., Essahat, A., Ramdani, A., Hamal, A. & Moussadek, R. & Macpherson, H.G., 2008. Conservation agriculture in irrigated systems of semiarid Morocco. Scientific Report of the Azahar project AGL2005-05767. CSIC-Spain and INRA-Morocco. 32p.
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 - **Mrabet**, R. 2010. Etude sur la gestion des risques et la mise en place d'un système d'assurances agricoles au Maroc. MAPM, Capital Consulting et Actuarial. Rapport. Octobre – Novembre 2010.
 - **Mrabet**, R. 2011. Rapport de consultation au profit de l'Association Africaine d'Agriculture de Conservation (ACT). Africa Carbon Forum, Marrakech 4-6 Juillet 2011.

- **Mrabet, R.** 2011. Adapting and promoting conservation agriculture to improve food security and implement sustainable development in degradation and drought-prone countries of North Africa. Project Proposition to FAO – Tunis. 44p.
- Sabir M., Benjelloun H., Zaher H., Naimi M., **Mrabet R.**, Loukili M., Chikhaoui M. 2011. Erodabilité des principaux sols des montagnes méditerranéennes, Maroc. Rapport Projet MCA-PAF. 8pages.
- **Mrabet, R.** & R. Moussadek. 2012. Apport du semis direct pour la préservation du sol et la production agricole dans les périmètres du PAF-MCA : cas de la région du nord. Revue annuelle des activités de recherche l'axe conservation des sols. Projet Arboriculture Fruitière Programme Financé par les Etats Unis d'Amérique par le biais de la Millénium Challenge Corporation (MCC). <http://mca-recherche.net/docs/livrables/RevueAnnuelle2012Axe1.pdf>
- **Mrabet, R.** & Moussadek, R. 2013. Rapport de mission de consultants à Roseau (Dominique) 18-31/12/2013 : Projet d'élaboration des Cartes de Fertilité des Sols Cultivés aux Pays des Caraïbes. Fondation OCP-INRA-AMCI. 9p.
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- Moussadek, R., **R. Mrabet** et al. 2015. Etude de la contribution du partenariat public-privé dans la gestion durable et la valorisation de l'eau d'irrigation dans le périmètre d'El Guerdane. Rapport technique. Projet CRDI – MAPM N° 106 544 DIAEA – INRA-ORMVA Souss Massa – Amensouss. **31p.** <https://idl-bnc-idrc.dspacedirect.org/bitstream/handle/10625/54811/IDL-54811.pdf>
- **Mrabet, R.**, Moussadek, R., My H. Sedra, Zirari, A. & Iaaich, H. 2015. Palmeraies de Tarnata, Aoufous et Erfoud. Convention de partenariat pour le recensement, la caractérisation et la cartographie des palmeraies. 52p.
- Moussadek, R., **Mrabet, R.**, Zirari, A. & Iaaich, H. 2016. Palmeraies de Fezouata, Boudnib, Bouanane, Figuig et Tata. Convention de partenariat pour le recensement, la caractérisation et la cartographie des palmeraies. 24p.
- Moussadek, R., **Mrabet, R.**, Iaaich, H., Zirari, A. & Ibn Halima, O. 2017. Palmeraies de Tinghir-Toudgha, Mezguita et Tinzouline. Convention de partenariat pour le recensement, la caractérisation et la cartographie des palmeraies. 27p.

ADVISING

Adviser

Diploma	Number	University
PhD	9	Belgium: ✓ Univ. Liege; Gent University. Morocco : ✓ Abdelmalek Essaadi Univ. (Tangiers) ; Ibn Zohr Univ. (Agadir); Univ. Chouaib Doukkali (El Jadida) ; Univ. Mohamed V (Rabat) ; Univ. Cadi Ayyad (Marrakech) ; IAV Hassan II (Rabat).
M Sc	19	Greece: IAM – Chania; France: Univ. Orleans; Belgium: Univ. Liege; Univ. Gembloux; Morocco: ENA-Meknes; IAV Hassan II; ENFI-Salé; Univ. Abdelmalek Essaadi; Univ. Hassan 1 ^{er} ; Univ. Chouaib Doukkali; Univ. Ibn Toufail.
BSc	3	Univ. Abdelmalek Essaadi, CIRAD

Committee Member

Title/Diploma	Number	University
HDR	1	Univ. Cadi Ayyad (Marrakech)
PhD	12	Belguim : Univ. Catholique de Louvain France : INP Toulouse Morocco: Univ. Moulay Ismail (Meknes), Univ. Mohamed V Agdal (Rabat); Université Cadi Ayyad (Marrakech), IAV Hassan II (Rabat).
MSc	14	Ecole Mohammadia des Ingénieurs, Univ. Moulay Ismail, Univ. Hassan 1 ^{er} , IAV Hassan II, ENA-Meknes, ENFI Salé.

PHD STUDENTS (COMPLETED)

1. Lembaid, I. (2022). Modélisation de la sequestration du carbone organique du sol sous différents scénarios climatiques, pratiques agricoles alternatives, et propriétés du sol par le modèle DNDC dans une région semi-aride du Maroc. Faculty of Science, University Mohammed V, Rabat. 152p.
2. Hajjaj, Badr. (2018). Evolution et gestion des mauvaises herbes des céréales et des légumineuses conduites en système de semis direct dans la Chaouia. PhD Thesis. Institut Agronomique et Vétérinaire Hassan II, Rabat, Morocco. 146p.
3. Briak, Hamza. (2017). Estimation de l'Érosion des Sols et Modélisation Hydrologique Spatialisée : Cas d'un Bassin Versant Tangérois au Nord du Maroc. PhD Thesis. Faculty of Science & Technology, Abdelmalek Essaidi University, Tangiers, Morocco. 179p.
<http://www.fstt.ac.ma/Portail/actualites/592-hamza2017>
4. Hamim, Ahlam (2017). Valorisation de la microflore fongique symbiotique pour l'optimisation durable de la domestication de la myrtille au Maroc. PhD thesis. University Cadi Ayyad, Faculty of Science Semlalia. Marrakech. 237p.
5. Mimouni, Abdelaziz (2015). Evaluation participative de l'effet de l'introduction des légumineuses dans les systèmes de productions vivriers de la région du Souss-Massa. PhD Thesis. University Ibn Zohr. Agadir, Morocco. 117p.
6. Moussadek, Rachid (2012). Impacts de l'agriculture de conservation sur les propriétés et la productivité des vertisols du Maroc Central. *PhD Thesis*. Ghent University, Belgium. 206p.
<https://biblio.ugent.be/publication/2964213/file/2971314>
<https://pdfs.semanticscholar.org/6372/dc13ef4d1ab13656ff88d6f98e908e7a4f7e.pdf>
7. Balaghi, Riad (2006). Wheat grain yield forecasting models for food security in Morocco. PhD Thesis. University of Liege, Belgium. 103p.
<http://riad.balaghi.googlepages.com/thesisbalaghi.pdf>
8. Ibno Namr, Khalid (2005). Effet à moyen terme du travail du sol de la gestion des résidus de récolte et de la rotation céréalière sur la qualité chimique d'un sol calcimagnésique à caractère vertique dans le semi-aride marocain. PhD Thesis. University Chouaib Doukkali, El Jadida (Morocco). 143p.
9. Saber, Najib. (2001). Qualité du sol sous semis direct en milieu semi-aride Marocain. PhD Thesis. University Chouaib Doukkali, El Jadida (Morocco). 150p.

TEACHING

- Soil Physics (Faculty of Sciences, Meknes)
- Instrumentation in Soil Physics (Faculty of Science, El Jadida)
- Soil Contamination (Faculty of Science, Fes)
- Geographic Information Systems & Remote Sensing (Ecole Mohammadia des Ingénieurs EMI-Rabat, Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes, ENSIAS-Rabat)
- Irrigation and Drainage (EMI, Rabat & Faculty of Science and Technology, Settat)
- Erosion process and soil protection (EMI, Rabat)
- Les défis de l'agriculture en Afrique. Module Initiation au Management Industriel IMI – Cycle Ingénieur 1A, du 6 janvier 2015 au 28 Janvier 2015 Université Polytechnique Mohammed VI, Ben Guérir, Maroc.
- Conservation Agriculture & Agroecology: Merging Science and Practice. University of Basrah, Iraq.

TRAINING COURSES/CONTINUING EDUCATION

- Crop residue management in conservation agriculture (CIHEAM-ICARDA)
- Integrating livestock in Conservation agriculture (CIHEAM-ICARDA)
- Water & Soil Conservation (ICARDA)
- Water Conservation & Tillage (FAO)
- Conservation Production Systems (CIHEAM)
- Erosion process and soil protection (DREF Rif - ONF International)
- Healthy Watershed: Concept and Applications (IAEA/RAF5063 Project)
- Tillage system effects on soil water evaporation process: Experimental research from semiarid Morocco - (Regional (AFRA) Training Course on: The Use of Oxygen-18 for Separation of Evapotranspiration into Soil Evaporation and Crop Transpiration, and AquaCrop simulation modelling)
- Geographic Information Systems & Remote Sensing (INRA Meknes)
- Overview of Radiation processing in Morocco & Food irradiation applications: INRA experiences (IAEA & AFRA)
- Soil, Water and Plant Analysis (Technicians and Engineers: INRA – AMCI Caribe’s Project)
- Soil test calibration and fertilizer recommendations (Technicians and Engineers: INRA – AMCI Caribe’s Project)
- Intergrated plant nutrition (Technicians and Engineers: INRA – AMCI Caribe’s Project)
- Soil quality assesement and monitoring. (Technicians, agronomists and research from Ministry of Agriculture of Jamaica (INRA-AMCI). December 13-17, 2021.
- Fertilization of crops (cereals, fruit trees and vegetables) (SONACOS: Technicians and Engineers).
- Introduction à l'agriculture de conservation : concept, principes, avantages et défis. Formation de Formateurs en Ligne (ToTs), Prestation de services de location des machines (pays francophones : Bénin, Burkina Faso, Congo Brazzaville, Côte d'Ivoire, Mali et Sénégal). ACT Network et FAO. www.AfricaMechanize.org . Formation à distance. 15 décembre 2021.
- Bonnes pratiques d'utilisation durable des eaux et des terres respectueuses des ecosystèmes et de la biodiversité de la réserve de la biosphère de la Cédraie de l'Atlas. University Al Akhawayn (Ifrane) 12-16 septembre 2022. Formation de Formateurs. Living Planet Maroc.
- Ecole Thématique : ENFI Salé, IAV Hassan II and IRD France (Soil Carbon for a Sustainable Agriculture in Africa (Casa) Network : <http://reseau-carbone-sol-afrique.org>).
 - o December 6-8, 2021: <https://www.youtube.com/watch?v=yhRyX8nICvA>
 - Soil quality: from concept to security
 - Agriculture de conservation: séquestration du carbone et services écosystémiques.
 - o December 12-14th 2022
 - Sols et atténuation du changement climatique.
- MSc Health in Urban Development : University College London (May 9-10, 2023. High Atlas Foundation, Marrakech, Morocco).
 - o Nexus Approach : Complexity, trade-offs and synergies
 - o Water resources, uses and vulnerabilities in Morocco.

SERVICE TO PROFESSIONAL ORGANIZATIONS

Deputy President (2017-2022), Co-chair of International Cooperation and Development Committee (ICDC) and Board Member of World Association of Soil and Water Conservation (WASWAC) (2008-2022).

http://www.waswac.org/waswac/Introduction/A5901index_1.htm

Panelist for the International Conservation Agriculture Advisory Panel for Africa (icaap-africa): <http://icaap.act-africa.org>

Member of Best Paper Award Committee: Journal of Soil and Water Conservation (2020, 2021, 2022)

Coordinator: Water Use Efficiency Network – AARINENA

Member of Global Conservation Agriculture Network (GCAN).

General Secretary: Moroccan Society of Agronomy and Horticulture (SMAHo, 2015-18)

Member of Moroccan Association of Conservation Agriculture (AMAC) since 2016

Member of Moroccan Association of Soil Sciences (AMSSOL) since 1988

Future Africa (University of Pretoria, South Africa)
<https://www.futureafrica.science/index.php/profile/rachid%20-mrabet%20-766>

EDITORIAL BOARD MEMBER & REVIEWER

Editor in Chief :

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Associate Editor :

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<http://www.journals.elsevier.com/international-soil-and-water-conservation-research/editorial-board>
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<http://www.jswconline.org/site/misc/edboard.xhtml>

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- Étude et Gestion des Sols : <http://www.afes.fr/publications/revue-etude-et-gestion-des-sols/introduction-a-la-revue-egs-et-comite-editorial/>
- International Journal of Forest, Soil and Erosion:
<http://www.ijfse.com/index.php/editorial-team>
- Current Agricultural Research Journal:
<https://www.agriculturejournal.org/about/editorial-board/>

Reviewer Board Member

- Land: https://www.mdpi.com/journal/land/submission_reviewers

Guest Editor : Special Issue

- https://www.mdpi.com/journal/land/special_issues/sustainable_agriculture_innovation
- <https://www.frontiersin.org/research-topics/39126/carbon-sequestration-and-soil-microbiome-under-climate-change>

Technical editor

- International Journal of Agricultural Research:
<https://scialert.net/eboard.php?issn=1816-4897>

Reviewing Committee Member

- Nature & Technology Journal https://www.univ-chlef.dz/RevueNatec/Lecture_Committee.html

Journal & Book Reviewer

Journal Title or Editor or Scientific Society	Nombre of Manuscripts
Soil & Tillage Research	7
Al Awamia (Moroccan Journal of Agricultural Research)	10
International Soil and Water Conservation Research (ISWCR)	11
Journal of Soil and Water Conservation (JSWC)	13
Agronomy Journal	5
Agronomy for sustainable development, Soil Use & Management	3
Journal of Environmental Management; Environmental Monitoring and Assessment; International Journal of Agricultural Research; Field Crops Research; Journal of Plant Sciences; <i>ScienceAsia</i> - Journal of the Science Society of Thailand, Land Degradation & Development; Annales de l'INRAT; European Journal of Soil Science.	2
Archives of Agronomy and Soil Science, Frontiers in Agronomy, Geomorphology, Journal of Agricultural Sciences; Applied Soil Ecology; European Journal of Soil Biology; Journal of African Earth Sciences; African Journal of Environmental Science and Technology; Philippine Agricultural Scientist; Journal of Geography and Regional Planning; Agricultural Science Research Journal; Etudes et Gestion des sols; Plant and Soil; Cogent Food and Agriculture; Journal of Sedimentary Environments, Archives of Agronomy and Soil Science, Lebanese Science Journal, Sustainability, Energies.	1
FAO http://www.fao.org/3/a-a0100e.pdf	1 book
Rethinking Food and Agriculture: New Ways Forward (Oct. 2020) Amir Kassam and Laila Kassam, Eds. Elsevier and Woodhead Publishing.	1 book
WASWAC Conference – Youth program	3 papers
International Soil Conservation Organisation (ISCO - 2006) & (ISCO 2015)	40 abstracts
CABI/African Conservation Tillage Network (ACT)	2 Chapters
International Assessment of Agricultural Knowledge, Science and Technology for Development (IAASTD) Report: Agriculture at a crossroads (2009). http://www.agassessment.org	2 Chapters
Springer publication: Sustainable food security in the Era of local and global environmental change.	chapter 4
Burleigh Dodds, Cambridge, UK	1 chapter
2 nd African Congress of Conservation Agriculture 8 th World Congress of Conservation Agriculture 3 rd African Congress of Conservation Agriculture	10 papers

Proceedings Editor

- Bouaziz, A., Choukr-Allah, R., **Mrabet, R.** et Falisse, A. (Edts). 2009. Actes du symposium international AGDUMED. Durabilité des systèmes de culture en zone Méditerranéenne : Gestion des ressources en eau et en sol. IAV Hassan II, INRA, Fac.

Agronomique de Gembloux et Association Marocaine d'Agronomie. Rabat, 14-16 mai 2009. 410p.

- Oukabli, A., **R. Mrabet**, A. Mamouni & N. Bahri. (Edts) 2004. Actes du séminaire L'amandier : une culture alternative pour faire face aux aléas climatiques. 25 mars 2004, INRA CRRA Meknès. 90p.
- **Mrabet, R.**, B. Vadon & A. Ait Lhaj. (Edts). 2001. Actes des 1ères journées de rencontres sur : Le semis direct en Méditerranée. INRA – Fert – RCM – AFD – UNCAM et Ambassade de France 22-23 octobre 2001, INRA CRRA Meknès. 31p

GRANTS, COORDINATION & SUPERVISION - PROJECTS (RESEARCH – RESEARCH-DEVELOPMENT)

International Projects

USAID

- MIAC Dryland Research Project: Soil Management – Water conservation Subproject 1990-1994

International Foundation for Science

- Mrabet, R. 1999-2002. Long-term soil quality and organic matter changes associated with tillage and cropping systems in semiarid Morocco. International Foundation for Science (IFS), Sweden.

Consultative Group for International Agricultural Research - CGIAR (ICARDA/CIMMYT)

- CGIAR Research Program: <http://www.cgiar.org/our-research/cgiar-research-programs/>
 - CRP 1.1 “Dryland Systems” for North Africa and West Asia. 2012-15. (coordinator) <http://drylandsystems.cgiar.org/node/432>
 - CRP 3.1: National adoption and ex-post impact assessment of improved wheat technologies and ex-ante impacts of climate change. 2012-15.
- ICARDA - Australian Centre for International Agricultural Research: CSE-2011-025 : Adapting conservation agriculture for rapid adoption by smallholder farmers in North Africa. 2012-16. CANA Project (Consultant). <http://www.cana-project.org/medias/files/CSE-2011-025-Full-proposal.pdf>
- Vulnerability and valuation of conservation agriculture and drought tolerance technologies among farmers in rainfed regions of Morocco. (CIMMYT, ICARDA, Univ. Davis, California) (2006-08). (Coordinator).
- Improving the livelihoods of rural communities and natural resource management in the mountains of the Maghreb (2004-07), SDC Funds. (Coordinator).
- Amélioration du revenu des éleveurs caprin à travers la valorisation du lait de chèvre pour la production du fromage : cas du Nord et du Sud du Maroc (MCGP Project, 2007-11)
- Framework for “Ex post impact assessment of NRM research in the arid and semiarid areas: The case of The Mashreq/Maghreb Project experience”.

- Development of an Integrated Natural Resources Management (INRM) Framework for Durable Agriculture in Central Morocco (MCGP Project, 2004-07).
- Water harvesting (1996-98).
- Package for agro-ecological characterization. (ICARDA/IDRC) (1996-98).

PRIMA: 2022-2025 <https://prima-med.org/what-we-do/years/funded-projects-2021/>

- Empowering women associations as drivers for agroecological transformation to generate income for Mountain farming communities. MOUNTAINHER. Lead by INRA Morocco with partners from Morocco, Algeria, Croatia, Spain, Italy, Lebanon and Tunisia. (Principal Investigator). <https://mel.cgiar.org/projects/mountainher>
- Ensure fair nexus transition for climate change adaptation and sustainable development. SURE_NEXUS. Lead by Universitat Politècnica de Catalunya (Spain) with partners from Spain, Egypt, France, Greece, Israel, Italy, Morocco (INRA) and Tunisia. Topic 1.4.1 (IA) Leveraging knowledge on the Nexus management of Water-Energy-Food-Ecosystems resources in the Mediterranean region: from concepts to practical solutions. <https://surenexus.eu/>
- Inclusive Outscaling of Agroecosystem REstoration ACTions for the MEDiterranean. REACT4MED. Lead by Hellenic Mediterranean University (Greece) with partners from Greece, Germany, Cyprus, Egypt Spain, Israel, Italy, Morocco (INRA) and Turkey. Topic: 1.1.1-2021 (RIA) Sustainable soil and water management for combating land degradation and desertification and promoting ecosystem restoration. <https://react4med.eu/>

European Commission

- Project on Curricula development on Soil and Water Resources Protection using Information and communication Technologies- SWART-ICT. Tempus Meda Joint European Project, Wageningen University & Ecole Mohammadia des Ingénieurs (Rabat). (2003-2006)
- Network on Governance, Science and Technology for Sustainable Water Resource Management in the Mediterranean. The role of DSS tools. EC Contract No INCO-CT-2004-509158.
- Mediterranean dialogue on framing sustainability in water policy evaluation (SWAP). Contract 043536 (INCO).
- 6th EU Framework, KASSA Project, Knowledge Assessment and Sharing on Sustainable Agriculture, EU Special Support Action (GOCE-CT-2004-505582), <http://Kassa.cirad.fr> (Morocco, Bolivia, Brazil, Argentina, Spain, France, Italy, Greece). 2004-06.
- Conservation agriculture in Africa: Analyzing and foreseeing its impact – comprehending its adoption. EU Seventh Frame Programme. Project KBBE-2009-1-2-09 Special Support

Action (2009-11; National coordinator). <http://ca2africa.cirad.fr/> (*East Africa, Southern Africa, North Africa (Morocco, Tunisia), West Africa and Madagascar*)

Global Environment Facility (GEF) - World Bank

- Social & Integrated Agriculture in Morocco (Agriculture Solidaire et Intégrée au Maroc). ASSIMA project

International Agency for Atomic Energy

- Conserving and Improving the Quality of Aromatic and Medicinal Plants through Irradiation, and Transfer of this Procedure on an Industrial Scale. INRA-AIEA MOR/5/029 (2007-2009).
- Supporting Innovative Conservation Agriculture Practices to Combat Land Degradation and Enhance Soil Productivity for Improved Food Security. RAF/5/063. (2012-2013). (Co-leader). (Algeria, Benin, Ivory Coast, Madagascar, Mali, Morocco, Senegal, Tunisia Uganda and Zimbabwe)
- Using nuclear techniques to support the national program for the genetic improvement for annual and perennial plants and to develop agricultural production. MOR/5/033. (2011-13).

FAO- GEF (GCP/MOR/044/GEF)

- GIAHS: Conservation of biodiversity and mitigation of land degradation through adaptive management of agricultural heritage systems.

FAO with ICARDA and NARS Egypt, Tunisia and Morocco

- Water Scarcity Initiative: Towards larger adoption of sustainable and profitable conservation agriculture in Near East and North Africa (2015-2018).

INRA-OCP-ICARDA-ICRISAT- Swaminatan Research Foundation

- India-Morocco Food Legumes Initiative: Increasing food legumes production by small farmers to strengthen food and nutrition security through adoption of improved technologies and governance within South-South Cooperation. 2012-2015.

EU-IFAD project (Steering committee Member & Consultant)

- Enhanced small-holder wheat-legume cropping systems to improve food security under changing climate in the drylands of West Asia and North Africa. 2012-2015.
- Improved Water Management for Sustainable Mountain Agriculture: Jordan, Lebanon and Morocco (IFAD Grant No 1226). 2011-2014.

OCP Foundation, Moroccan Agency for International Cooperation (AMCI) - INRA

- Mapping soil fertility for durable agriculture in Caribbean islands. 2015-26 (Dominica, Saint Lucia, Saint Kitts & Nevis, Grenada, Saint Vincent & the Grenadines, Antigua & Barbuda, Barbados, Jamaica).
<https://www.dominicavibes.dm/news-160282/>

UM6P, AMCI and INRA

- Soil Fertility Assessment and Mapping for Sustainable Agriculture in Guyana and Suriname (2022-2026)

Horizon2020: Project CURE XF:

- Capacity Building and Raising Awareness in Europe and in Third Countries to Cope with *Xylella fastidiosa*. H2020-MSCA-RISE-2016

German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) & International Climate Initiative (IKI) & ICARDA

- Conservation of pollinator diversity for enhanced climate change resilience (June 1st 2017 – May 31st, 2020). (Focal Point)
<http://repo.mel.cgiar.org/handle/20.500.11766/8332>
<https://mel.cgiar.org/projects/iki-pollinators> -

Bilateral Cooperation Projects**IDRC-Canada**

- Valorisation de l'eau d'irrigation et partenariat public privé : cas de la zone El Gardane. 2012-2015. <http://idl-bnc.idrc.ca/dspace/bitstream/10625/54811/1/IDL-54811.pdf> - <http://idl-bnc.idrc.ca/dspace/bitstream/10625/54811/1/IDL-54811.pdf>

French Cooperation

- **Projet de Recherche Agronomique pour le Développement (PRAD)**
 - Rachid Mrabet & Yves Le Bissonnais (INRA-France) 2000-2003. Mesure et estimation des indices d'agrégation des sols Marocains et application pour l'évaluation des systèmes de gestion des cultures.
 - Mustapha Naimi, Rachid Mrabet & Yves Le Bissonnais (INRA-France) et al. 2009-2011. La vulnérabilité des sols à l'érosion et son évaluation au Maroc. IAV Hassan II, ENFI – Salé, INRA Maroc, INRA –France et IRD Montpellier. PRAD n° 09-05. <https://www.umr-lisah.fr/?q=system/files/Rapport%20final%20PRAD09-05%20LE%20BISSONNAIS.pdf>
 - Mohamed Hafidi (Université de Cadi Ayyad, Marrakech), Hamim Ahlam (INRA Tanger), Rachid Mrabet (INRA Rabat), Lucie Miche (Univ. Marseille), Duponnois Robin (IRD) et al. 2012-2016 : Valorisation de la microflore fongique symbiotique pour l'optimisation durable de la domestication de la Myrtille au Maroc.
- **Volubilis**
 - El Mourabit, N., Mrabet, R. et al. : Evaluation phénotypique et moléculaire de la réponse à la disponibilité en nitrate et ammonium chez des écotypes marocains de sorgho. 2012-2014. INRA et Université Abdelmalek Essaidi (Tanger).

- **Agence Nationale de Recherche (ANR – France):**
 - Adaptation des mosaïques paysagères dans les agrosystèmes pluviaux Méditerranéens pour une gestion durable de la production agricole, des ressources en eau et en sol LISAH – Montpellier. 2014-2016.
- **Agence inter-établissements de recherche pour le développement (AIRD)**
 - Jeune Equipe Associée à l'IRD : IAV Hassan II- INRA-ENFI et LISAH France « Vecteur Maroc : Vulnérabilité des sols et des ressources hydriques du Nord du Maroc face aux changements globaux ». 2013-18. <http://jeai-vecteur.org/> . <https://jeai-vecteur.org/mrabet>

Spanish Cooperation

- Azehar Program (Comisión Interministerial de Ciencia y Tecnología, Plan Nacional I + D + I):
 - Conservation tillage in rainfed agricultural systems: soil-plant and N dynamics and carbon sequestration in Mediterranean environments (2004-07) (University of Llieda).
 - Conservation agriculture in irrigated agricultural systems (2006-08) (University of Cordoba) (Coordinator marocain).
- Agence Espagnole de Coopération Internationale au Développement (AECID) (2012-2015). Proyecto de investigación para la mejora del sector caprino en el norte de Marruecos. INRA-IRTA.

Belgian cooperation:

- Technical Belgian Cooperation (CTB) : 2006-08
 - Mrabet, R., A. Bouaziz & A. Falisse. Production agricole plus performante, conservatrice des sols, parcimonieuse en eau et en énergie, par une optimisation intégrée des facteurs de production dont travail du sol, rotation des cultures et apports d'eau. Faculté Universitaire des Sciences Agronomiques de Gembloux, INRA & IAV Hassan II.
- VLIR-UOS – Belgian Directorate for Development Cooperation (DGD) : 2017-2021
 - Larabi, A., R. Mrabet et al.: Projet WASIS: Smart Water Resources System for the Optimal Water Management in the Tafilalet Oasis using Palm Sensors and a GIS-Mathematical Model. - VUB, Department of Hydraulics and Hydrology Engineering (Promoter), Ecole Mohammadia des Ingénieurs, INRA Morocco, ABH-T, ORMVAT, ANDZOA.

Hungarian cooperation:

- **NAIK (Water& Soil Ltd)**
 - Project assessment of soil retainers under contrasting crops and soils in irrigated and pluvial regions of Morocco (www.waterandsoil.eu)

National Projects

Agence National de Développement des Zones Oasiennes et de l'arganier (ANDZOA-INRA) - ORMVA Ouarzazate and Tafilalet, DRA Guelmim Es Smara and DPA de Figuig.

- Convention cadre de développement des palmeraies : Projet de recensement, caractérisation et cartographie des palmeraies. 2012-2019. (coordinator)

Banque Mondiale & Ministère de l'Agriculture, Développement Rural et Pêches Maritimes

- Projet Développement Rural Intégré – Petite et Moyenne Hydraulique (DRI-PMH) Khénifra : Composante développement agricole.
- Projet Développement Rural Intégré – Mise en Valeur Bour DRI-MVB Tissaf (Province Boulemane) (coordinator).
- Fonds Spécial pour les Changements Climatiques (Banque mondiale) – INRA ADA : Contrat cadre pour l'accompagnement par l'INRA des opérations de semis direct prévues dans le Projet d'Intégration du Changement Climatique dans la mise en œuvre du Plan Maroc Vert (PICCPMV) : coordinator

Ministère de l'Agriculture de la Pêche Maritime (MAPM) (Direction de l'Enseignement, la Recherche et le Développement).

- Analyse de la vulnérabilité et des stratégies de Moyens d'existence des jeunes ruraux, fils et filles d'agriculteurs, dans les zones défavorisées de montagne. Proferd. 2005-2007.

MAPM-DEFR : Mécanisme Compétitif pour la Recherche-Développement et la Vulgarisation (MCRDV).

- Hamim, A., R. Mrabet et al. 2012-14. Introduction, Caractérisation et Sélection de nouvelles variétés de baies rouges (Myrtilier, Framboisier, et Mûrier) prometteuses dans la région Tanger-Tétouan. 2012-2015.

Conseil régional d'agriculture de Chaouia- Ouardigha

- Convention de recherche-développement entre INRA et Conseil Régional d'Agriculture de la Chaouia-Ouardigha (2001-06). Etablissement des sites permanents de semis direct dans la région de Chaouia-Ouardigha.

MCA-Agence de partenariat pour le progrès – INRA-IAV Hassan II-ENA Meknès & ENFI Salé

- Projet de recherche sur l'arboriculture fruitière. Axe I. Impact des techniques d'aménagements et de plantations sur la qualité et la conservation des sols. Thème I.4. Effet des techniques d'aménagement et de plantation sur l'hydrologie et la fertilité des sols.

Office Régional de la Mise en Valeur Agricole de Tafilalet

- Projet de développement rural des zones de montagnes de la province d'Errachidia. Convention de partenariat n° 2/2010 relative à la réalisation des essais de démonstration de bonnes pratiques de réhabilitation des parcours au niveau des zones montagneuses de la zone d'action de l'ORMVA-TF.

Convention ministère de l'Agriculture – Pêche Maritime – Group OCP – INRA (2009-2018)

- Convention relative à l'élaboration de la carte de fertilité des sols cultivés au Maroc.

OCP Group

- Valorisation du phosphogypse, des boues de lavage des phosphates et du phosphate naturel en agriculture (2017-2021).

CNRST - Programme national d'appui à la recherche sectorielle (2010-2013)

- El Mourabit, N., R. Mrabet, A. Noutfia & S. Barrijal. Valorisation des populations locales de sorgho grain : Eude de la diversité génétique par les marqueurs moléculaires et Sélection de génotypes performants. (INRA & FST Tanger).
- El Amrani, A., M. Benicha, & R. Mrabet. Mise en œuvre d'une stratégie de lutte intégrée contre les ravageurs des cultures de fraises et petits fruits rouges dans la région du Loukkos. (FST & INRA Tanger)
- Elharfi A., Rafik M., Hegazi S., Elkhouchi, T., Bouih, A. R. Mrabet, M. Mouhib & Zantar, S. Synthèse et étude des polymères époxydes multifonctionnels formulés par des nano charges inorganiques en vue du confinement des déchets nucléaire de types A et B. (FS Kenitra, CNESTEN, INRA Tanger).

Royal Institute for Strategic Studies (IRES) (Think-Thank)

- La sécurité alimentaire et sanitaire face au changement climatique : essai pour une stratégie d'adaptation dans le cadre d'une gouvernance intégrée. Programme d'études « changement climatique : impacts sur le Maroc et options d'adaptation globales ». <http://www.ires.ma/spip.php?article633>

AMABIO-INRA ENA IAV Hassan II:

- Convention de Recherche-Développement signée entre la FIMABIO (anciennement AMABIO) et les Institutions de Recherche : IAV, INRA et ENA. <http://fimabio.org/jour-nee-r-et-d/> (2013-2015)

CONSULTANT & REVIEWER

Member of Scientific Committee – COP22

Member of Inter-Ministerial Commission on Climate Negotiation – COP22

Member of Labelling Committee – COP22

Project Reviewer & Expert National Center for Scientific and Technical Research (CNRST) (2008-2014). (http://www.cnrst.ma/comites_scientifiques.htm).

- Convention CNRST – CNRS (France),
- Convention CNRST – CSIC (Spain),
- Convention CNRST – CNRi (Italy),
- Convention CNRST – FCT ex GRICES & ex ICCTI (Portugal),
- Convention CNRST – EuroMed Programme 3+3

Expert-Reviewer CNRST & Fondation OCP (2015-16).

National Center for Energy and Nuclear Sciences and Technologies (CNESTEN) (2013-2023).

- President Scientific Committee (CNESTEN) (2019-2020) and Member (2021-22)

Consultant for Moroccan Center for Innovation (CMI) (2013-14).

Consultant for ANPME (2015-16).

Consultant - Moroccan Agency for International Cooperation (2015 to date): Soil Fertility Mapping of Caribbean Islands.

Member of Jury : Grand Prix Hassan II pour l'invention et la recherche dans le domaine agricole : Group Coordinator : Agronomy (session 2013) & (session 2017).

Member of network : RCM (Réseau Grandes Cultures Méditerranéen): <http://www.rcmed.org/le-rcm/missions-du-rcm/>

Focal Point for Phosphate Research Network (Mohammed VI Polytechnic University, Ben Guerir, Morocco).

Member of International Scientific Evaluation Panel : PRIMA foundation (Partnership for Research and Innovation in the Mediterranean Area) (http://prima-med.org/calls_for_proposals/). 2018-19 & 2023

Member of IUCN Commission on Ecosystem Management (2017-2023).

Member of GSP-NETSOB – International Network on Soil Biodiversity (Working Group 2) and “Lead Author “Field Manual On Best Management Practices To Conserve Soil Biodiversity And Prevent Soil Biodiversity Loss”.

Consultant:

Public Institutions & NGOs	Private Sector
OCP Foundation (http://www.ocpfoundation.org/) OCP Group (http://www.ocpgroup.ma/),	Bearingpoint :« Projet de conception e d'un pôle Agritech dans la région Fès-M
Think Tank - IRES: Royal Institute for Strategic Studies (http://www.ires.ma)	Fondazione Giacomo Brodolini (Ror "Case studies on the future of skills. 'Morocco" Reference: https://www.etf.europa.eu/sites/default/04/future_of_skills_agri-food_sector_in
Morocco's State Secretary in Charge of Sustainable Development (now department of environment)	Capital Consulting – Casablanca (Agr http://www.capitalconsulting.ma .
Ministry of Agriculture, Marine Fisheries, Rural Development and Waters & Forests: AAA initiative: http://www.aaainitiative.org/sites/aaainitiative.org/files/AAA_livre%20blanc_ENG.pdf	Les Domaines agricoles (Direct (http://www.lesdomainesagricoles.com
	Compagnie Tunisienne du Grain COTU

Invited speaker & Chairman & Rapporteur & Scientific Committee Member:

- Scientific Committee Member, Pannelist and Invited Speaker at 3rd African Congress on Conservation Agriculture (3ACCA) June 5-8, 2023, Rabat Morocco
<https://www.africacacongress.org/speakers>
- Scientific Committee Member and Pannelist. UNESCO International Conference on Ancestral Hydrotechnologies as a Response to Climate, Health and Food Emergencies. Good practices in the Mediterranean and Latin America "Use of Cultural Heritage to Rescue the Future". February 16-17, 2023. Vertex Building – UPC North Campus Barcelona, Spain.
- Organizing committee member and invited Speaker: Conférence sur l'agriculture de conservation : Pilier de résilience dans la stratégie de la Génération Green. ENA Meknes, 16/03/2023.
- Invited Lead speaker: 3rd International Web-Conference on Natural Resource Management for Global Food Security and Sustainable Development Goals, 2-3 December 2022. The Academy of Natural Resource Conservation and Management

(ANRCM), Lucknow, India, and KSN University of Agricultural and Horticultural Sciences, Shivamogga, India.

- Yangling International Agri-Science Forum. Yangling, Shaanxi, China. October 23-24, 2021. Keynote Speaker.
- Organizing Committee Member: WCAAFS-2022, Bangkok
<https://eurasiacferences.com/events/bangkok/2022/world-conference-on-agriculture-aquaculture-and-food-science/committee>
- Facilitator for Africa Vice Chancellors' Regional Food Systems Dialogue. University of Pretoria Inaugural Africa Week, 9-10 March 2021. Accessed through this link: <https://drive.google.com/drive/folders/1RkUpd2rrmEpSYKPQwpEehrJzNwtQFAeq>
- 1st International Congress on Sustainable Agriculture: Tools and Innovations (AgriNOV2021). October 27-30, 2021, Beni Mellal, Morocco. <http://agrinov.usms.ac.ma>
- The international conference on sustainable agriculture and its role in human and economic development. 17-18 February 2020. University of Basrah, Iraq. <http://cab.uobasrah.edu.iq/index.php/icsarehd.html>
- Member of Scientific Program Committee: Ecosystem Services Partnership (ESP) MENA Regional conference Rabat, Morocco 27-29 January 2021. <https://www.espconference.org/mena2021/wiki/505276/organisation/> <https://www.es-partnership.org>
- International Day on Biodiversity May 22, 2020. Ministry of Energy, Mines and Environment and GIZ. Rabat.
- Member of International Steering Committee (ISC) & Scientific/ Technical Committee of 8th World Congress on Conservation Agriculture, (8WCCA): Profitable and Sustainable Farming with Conservation Agriculture. Zollikofen, Bern, Switzerland 21 - 24 July 2021. <http://8wcca.org/>
- EU/North Africa Conference on organic agriculture. Bridging the gap, Empowering Organic Africa. 11-12 November 2019 Marrakech, Morocco. <http://www.eu-nacoa2019.bio/commitee.html>
- Speaker, Panelist, Member of the International Steering Committee (ISC), Scientific Committee and CA Award committee of the 2nd African Congress on Conservation Agriculture (2ACCA) Johannesburg (South Africa) October 9th to 12th, 2018. <https://www.africacacongress.org/speaker/view/rachid-mrabet>
- The Second International Youth Forum on Soil and Water Conservation (2nd IYFSWC) and ICCE Symposium 2018 " Climate Change Impacts on Sediment Dynamics: Measurement, Modelling and Management". Moscow State University. 27-31 August, 2018. http://www.shp.org.pl/wp-content/uploads/2018/01/second_letter_2nd_ifswc-icce-flyer.pdf

- Colloque International sur: Vulnérabilité des sols Méditerranéens à l'érosion hydrique : état des connaissances et mesures d'adaptation face au changement global. Rabat (Maroc); 20 et 21 Novembre 2018. <http://www.soil-vulnerability-rabat2018.ma> & <https://hydrologie.org/CONF/2018%20Colloque%20Rabat.pdf>
- International Conference on adaptation metrics for water and agriculture. Mohammed VI Polytechnic University, Ben Guerir, Morocco; October 6 and 7, 2017.
- Fifth International Saffron Symposium Biology and Technology (VISSBT 2016) November 23-26, 2016, Agadir, Morocco.
- International Scientific Conference on Adaptation of African Agriculture: From Science to Action. November 13th, 2016. Palais des Congrès, Marrakech (COP22).
- UNOSSC- South-south knowledge exchange and coordination workshop. Water resources and irrigation systems under climate change. Rabat 12-14 October 2016.
- Panelist and moderator: International conference for sustainable mobility: setting the milestones of sustainable mobility. September 20th 2016. Sofitel, Rabat. www.mobilitedurable.ma
- Heads of Delegation Informal Consultations, Amphitrite Palace Skhirat - Rabat September 8-9, 2016.
- Expert forum in the nationally determined contributions (NDCs), Department, Rabat June 28-29th, 2016.
- 1st Alliances and Coalitions Global Forum, Environment Department, Rabat June 23-24, 2016.
- International Conference on Conservation Agriculture and Sustainable Land Use. Budapest (Hungary), 31 May – 2 June 2016. http://caslu2016.mtafki.hu/CASLU2016_a_sustainable_conference.html
- International Conference on Pulses for health, nutrition and sustainable agriculture in drylands. Marakech (Morocco) 13-15 April 2016. <http://www.icarda.org/pulses> - http://www.imfli.com/images/Pulses_brochure.pdf
- President of Scientific Committee & Invited speaker: 1st International Conference Afro-Mediterranean Soils: Constrains and Potentialities for Durable Management. December 18th and 19th, 2015 Palmeraie Golf Palace Hotel Marrakech – Morocco. http://iuss.boku.ac.at/files/report_on_marrakech_conf_dic_2015_2_.pdf - http://www.iuss.org/index.php?article_id=621
- Member of Scientific Committee: 2nd, 3rd, 4th & 5th edition of Argan International Congress. Agadir. <http://www.arganier.ma>
- Member of Scientific Committee (ISCO 2015). El Paso, Texas, USA. Juin 2015.
- Korea-Africa Food and Agriculture Cooperation Initiative (KAFACI)-INRA Planning Meeting (<http://www.kafaci.org/>):
 - Horticultural Science : INRA Rabat April 2-4, 2014.
 - Basic Agricultural Science: INRA Rabat April 7-9, 2014.

- Member of Scientific Committee and International Steering Committee: First Africa Congress on Conservation Agriculture. 18-21st March 2014. Lusaka, Zambia. Web: <http://www.act-africa.org/> - http://www.act-africa.org/lib.php?com=6&res_id=219
- Member of Scientific Committee and Panel Chair: 7th International Conference on Mycorrhiza (ICOM7), Marrakech – Morocco, October 15-17, 2014. <http://ic-mycorrhizae2014/>
- 8th International Seminar on Echnology creation and transfer in small ruminants: roles of research, development services and farmer associations. FAO-CIHEAM Network on Sheep and Goats – Sub-Network on Production Systems. INRA, Mediterranean Agronomic Institute of Zaragoza – CIHEAM and in collaboration with FAO, and with the support of the Chambre Régionale d’Agriculture de Tétouan-Tanger and ICARDA. Tangiers, Morocco, 11-13 June 2013. (Member of Scientific committee).
- Symposium international sur l’agriculture biologique méditerranéenne et les signes distinctifs de qualité liés à l’origine. Agadir 2-4 Décembre 2013. <http://www.agadir2013.org/>
- Invited Speaker : Premières assises nationales sur la R&D autour des phosphates, MESRSFC-Group OCP, Skhirate, 12-13 Septembre 2013.
- Expert auprès de l’Union du Maghreb Arabe (UMA): Séminaire Maghrébin sur l’adaptation de l’Agriculture, Grandes cultures aux changements climatiques. Casablanca, 19-20/11/2013.
- Invited Speaker & Member of Scientific Committee : Conférence internationale : Changement environnemental global et sécurité humaine : La nécessité d’une nouvelle vision de la science, de la politique et du leadership (changement climatique comme opportunité) ». 22 au 24 novembre 2012, Marrakech. <http://www.nrcs-center.org/scientific-events/gecs-2012/gecs-2012-fr/> - http://www.vigyanprasar.gov.in/Lectures_and_Summary/GECS2012_Program.pdf
- Invited Speaker & Member of Scientific Committee : International Conference: “Climate Change, Agri-Food, Fisheries and Ecosystems: Reinventing Research, Innovation and Policy Agendas for Environmentally- and Socially-Balanced Growth” (ICCAFFE2011). May 19-21, 2011, Agadir, Morocco. <http://www.trunity.net/ICCAFFE2011/>
- Invited Speaker & Member of Scientific Committee : Colloque : Erosion hydrique et vulnérabilité des sols au Maghreb : État des lieux et perspectives » Rabat 12 et 13 octobre 2011. SiteWeb : http://www.cyber1.ca/mchikhaoui/colloque_erosion2011
- Séminaire Annuel LISAH 28 Juin – 01 Juillet 2011. Domaine de Chantesse. Italie <http://www.umar-lisah.fr>
- 3^{ème} Congrès International de l’Amélioration de la Production Agricole, FST Settat et INRA Settat 17-18 Mars 2011.
- Atelier thématique : Protection des Ressources Naturelles 14 – 19 Février 2011/ Meknès/Maroc. Université Moulay Ismail (Faculté des Sciences) & Institut de Recherche pour le Développement (IRD). Programmes FSP CORUS & AIRES-Sud. http://www.interaxyhost.com/umi/news/doc/pj1_fr_141.pdf

- Invited Speaker & Member of Scientific Committee: 4th Mediterranean Meeting on No-tillage. Setif – Algeria 3-5 May 2010.
- Congrès International 2009. L'Intégration de l'Agriculture dans le Développement Rural Durable au Défi des Crises Alimentaire, Energétique et Climatique Mondiales. 12-14 Novembre 2009, Agadir (Maroc). Faculté des Sciences Juridiques, Economiques et Sociales d'Agadir. [http ://congres-international-2009.synthasite.com/](http://congres-international-2009.synthasite.com/)
- Colloque sur Gestion de l'eau et des sols en Méditerranée : Apport des systèmes d'observation sur bassins versants Hammamet (Tunisie) du 19 au 23 Octobre 2010. INGRES – LISAH.
- Scientific Visit to Malaysian Nuclear Agency, 19-23 October 2009.
- 5^{èmes} Journées internationales des Géosciences de l'environnement. May 13-14, 2009 Fez –Morocco. Website [http ://www.fsdmfes.ac.ma/jige5](http://www.fsdmfes.ac.ma/jige5)
- International FAO workshop on “Investing in sustainable crop intensification: the case for improving soil health. 22-24 July 2008. Rome, Italy.
- Second Regional Experts Consultation Meeting (2nd ECM) On “Utilization of agricultural residues – emphasis on biofuels “. FAO. Cairo, Egypt, October 29 – November 1st 2007.
- Workshop on Conservation agriculture for sustainable land management to improve the livelihood of people in dry area. GTZ, FAO & ACSAD. Damascus, Syria. May 7-9, 2007.
- CIMMYT-IFPRI International Technical Workshop, Bio-ethanol, maize and wheat: opportunities and risks. November 4-5, 2006, New Delhi, India.
- Annual General Meeting CGIAR 2005. Marrakech, Morocco. December 5-7, 2005.
- University of Cordoba & CIHEAM.
- FAO/CIRAD, II World Congress of Conservation Agriculture, Iguazu Falls, Parana, Brazil, August 11-15, 2003.
- African Society of Geology.
- FAO, International workshop on conservation agriculture for sustainable wheat production in rotation with cotton in limited water resource areas. Tashkent, Uzbekistan, October, 13-18, 2002.
- Third International Conference on Land Degradation, Rio de Janeiro, Brazil, September 17-21, 2001.
- Water Conservation under scarcity: Research Needs. Library Talk at British Council, November 12th 1999.

MEDIA – MAGAZINE

- Chaîne Attakafia: Ecologia Friday December 24th 2022.
- IPCC WGIII: 2022
 - <https://www.oliveoiltimes.com/world/time-running-out-to-prevent-worst-impacts-of-climate-change/107580>
 - [https://www.tellerreport.com/news/2022-04-06-rachid-mrabet-\(ipcc\)--%22we-must-move-towards-ecologically-intensive-agriculture%22.B1e2Nqfs75.html](https://www.tellerreport.com/news/2022-04-06-rachid-mrabet-(ipcc)--%22we-must-move-towards-ecologically-intensive-agriculture%22.B1e2Nqfs75.html)
 - <https://fr.hespress.com/257247-giec-rachid-mrabet-prone-lagriculture-ecologique-pour-sauver-la-planete.html>
 - <https://www.rfi.fr/fr/environnement/20220406-rachid-mrabet-giec-il-faut-aller-vers-une-agriculture-écologiquement-intensive>
- <https://www.insuco.com/en/insuco-in-morocco/>
- Meknès: Appel à la création d'un réseau national sur l'amélioration de la qualité des sols. <https://fr.hespress.com/81066-meknes-appel-a-la-creation-dun-reseau-national-sur-lamelioration-de-la-qualite-des-sols.html> Juin 2019.
- L'agriculture, grande oubliée de la COP22. <https://www.la-croix.com/Sciences/Environnement/Lagriculture-grande-oubliee-COP22-2016-11-18-1200804140>
- Mrabet, R. 2016. SIAM 2016 : La production agricole requiert une utilisation rationnelle des ressources naturelles. <http://www.mapexpress.ma/actualite/opinions-et-debats/siam-2016-la-production-agricole-requiert-une-utilisation-rationnelle-des-ressources-naturelles-responsable-de-linra/>.
- <https://abc24.ma/rachid-mrabet-la-production-agricole-requiert-une-utilisation-rationnelle-des-ressources-naturelles/>
- Mrabet, R. 2016. http://www.libe.ma/La-production-agricole-requiert-une-utilisation-rationnelle-des-ressources-naturelles_a74155.html
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<https://ires.ma/index.php/en/media-eng/video-gallery/81-vid%C3%A9o%C3%A8que-eng/4234-m-rachid-mrabet,-what-policies-for-adapting-to-climate-change-and-reducing-the-ecological-footprint-of-the-planet>

Prima MountainHer Project

<https://www.youtube.com/watch?v=Un5XST1qXU4>

Prima Surenexus Project

<https://upcommons.upc.edu/handle/2117/385933>

DATABASE

<https://qcat.wocat.net/fr/accounts/user/685/>

LANGAGES & COMPUTER SKILLS

Langages

Scale (1 – excellent ; 5 – basic)

Language	Conversation	Talking	Writing
Arabic	1	1	1
French	1	1	1
English	1	1	1
Spanish	4	4	3

Computer skills & technology

- Programing, Statistics (SAS), Geostatistics, Geographic Information System, Data Bases, Soil, Crop and Hydrological Modeling (Modflow, EPIC, SWAT, RZWQM, DNDC, APSIM, RUSLE etc).

REFERENCES

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MAJOR SKILLS

Senior Scientist, Science and Management Leadership, Academic leader, performing ground-breaking research, managing large projects, and acquiring external funding. Professional experience with project/portfolio management, Experience in funding acquisition at national and/or international levels, Knowledge management, Innovative scientific thinking, Research priority setting, Designing, coordinating, institutional budget overview, Funding quality and supervising research programs, Augmenting science quality and performance and scope of impact and guiding and implementing cooperation strategy, Develop teamwork, empowerment, collaboration, and targeting for results and impacts, Declining agricultural policies into long-term scientific policy of research institution, Science-Policy development, Lecturer at Universities both national and international, International expert, Keynote speaker, Reviewer (Projects and Publications), Editor (Journals).