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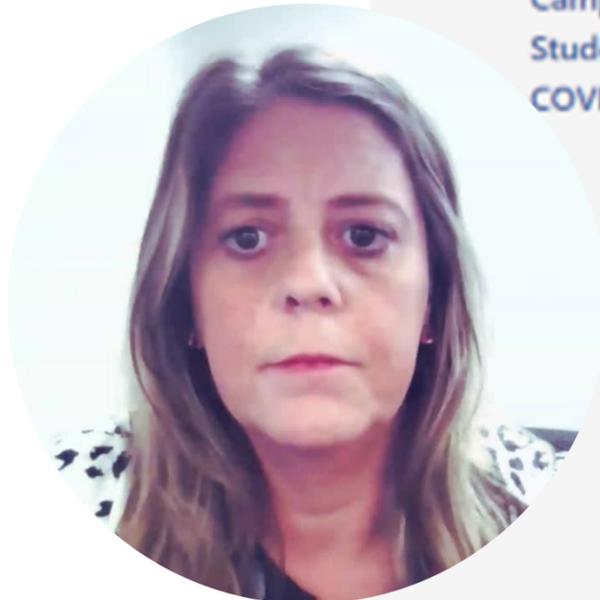
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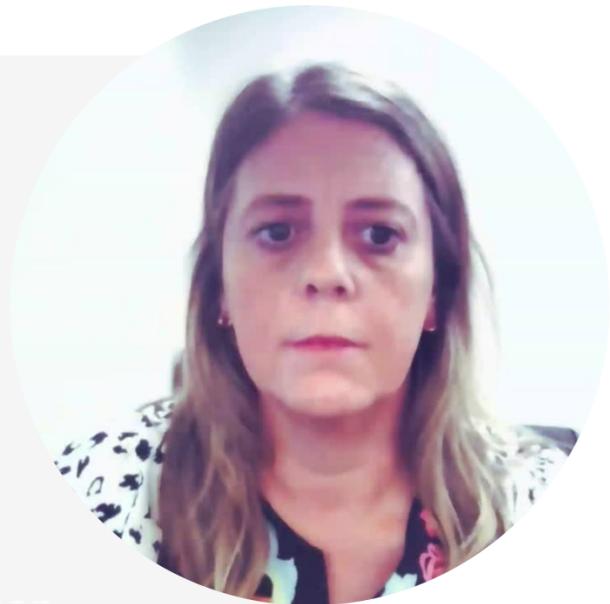
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Subjects: China; Conservation of Water Resources; Ecosystem; Parks, Recreational; Environmental Monitoring; China; Soil

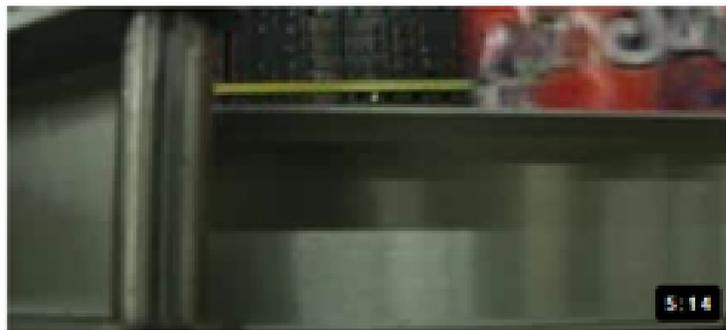
2. Indigenous Practices of Soil and Water Conservation for Sustainable Hill Agriculture and Improving Livelihood Security.



(English) ; Abstract available. By: Arora S; Bhatt R; Sharma V; Hadda MS, Environmental management [Environ Manage], ISSN: 1432-1009, 2023 Aug; Vol. 72 (2), pp. 321-332; Publisher: Springer Verlag; PMID: 35122490, Database: MEDLINE

Subjects: Soil; Conservation of Water Resources; Ecosystem; Conservation of Natural Resources; Agriculture

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Monet's famed garden ready to battle the drought gripping Europe

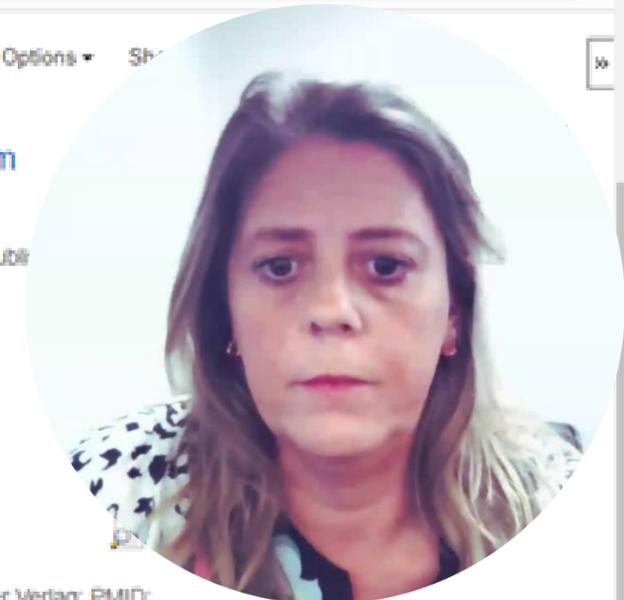
3. Impacts of soil and water conservation measures on soil physicochemical properties in the Jibgedel Watershed, Ethiopia.



(English) ; Abstract available. By: Leykun S; Teklay A; Gurebiyaw K; Dile YT; Bayabil HK; Ashenafi M, Environmental monitoring and assessment [Environ Monit Assess], ISSN: 1573-2959, 2023 Mar 07; Vol. 195 (4), pp. 447; Publisher: Springer; PMID: 36881262, Database: MEDLINE

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1. Small Alpine Marsupials Regulate Evaporative Water Loss, Suggesting a Therm



(English) ; Abstract available. By: Withers PC; Cooper CE; Körtner G; Geiser F, Physiological and bioch
Publisher: University of Chicago Press; PMID: 35437120, Database: MEDLINE

Subjects: Conservation of Water Resources; Marsupialia physiology; Animals; Body Temperature p

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2. The Water Conservation Garden: More Beauty, Less Water.



By: Meisner, Pam. California Garden. Jul/Aug2023, Vol. 114 Issue 4, p20-22. 3p. , Database: MasterFILE Complete

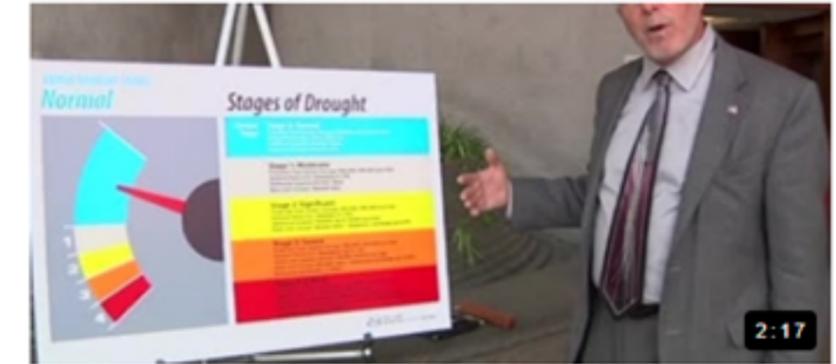
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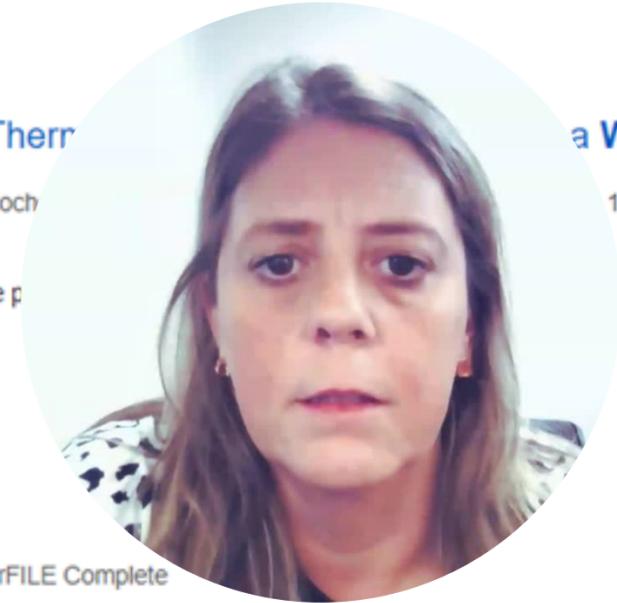
3. Mind (for) the water: An indirect relationship between mindfulness and water conservation behavior.



By: Pereira, Maria C.; Simões, Paula; Cruz, Luis; Barata, Eduardo; Coelho, Filipe. Journal of Consumer Behaviour. Jul2022, Vol. 21 Issue 4, p673-684. 12p. DOI: 1
Behavioral Sciences Collection

Subjects: WATER conservation; MINDFULNESS; STRUCTURAL equation modeling

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29. Small Alpine Marsupials Regulate Evaporative **Water Loss**, Suggesting a Thermoregulatory Role Rather than a **Water Conservation Role**



(English) ; Abstract available. By: Withers PC; Cooper CE; Körtner G; Geiser F, Physiological and biochemical zoology : PBZ [Physiol Biochem Zool], ISSN: 1537-5293, 2022 May-Jun; Vol. 95 (3)
Publisher: University of Chicago Press; PMID: 35437120, Database: MEDLINE

Subjects: Conservation of Water Resources; Marsupialia physiology; Animals; Body Temperature physiology; Body Temperature Regulation physiology; **Water Loss**, Insensible physiology

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28. Consideration of high-quality development strategies for soil and **water conservation** on the loess plateau.



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Small Alpine Marsupials Regulate Evaporative Water Loss, Suggesting a Thermoregulatory Role Rather than a Water Conservation Role.

Authors: [Withers PC](#)
[Cooper CE](#)
[Körtner G](#)
[Geiser F](#)

Source: [Physiological and biochemical zoology: PBZ](#) [Physiol Biochem Zool] 2022 May-Jun; Vol. 95 (3), pp. 212-228.

Publication Type: Journal Article; Research Support, Non-U.S. Gov't

Language: English

Journal Info: Publisher: [University of Chicago Press](#). Country of Publication: United States NLM ID: 100883369 Publication Model: Print Cited Medium: Internet ISSN: 1537-5293 (Electronic) Linking ISSN: [15222152](#) NLM ISO Abbreviation: Physiol Biochem Zool Subsets: MEDLINE

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MeSH Terms: [Conservation of Water Resources*](#)
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[Animals](#) ; [Body Temperature/physiology](#) ; [Body Temperature Regulation/physiology](#) ; [Water Loss, Insensible/physiology](#)

Abstract: AbstractWe show here that evaporative **water** loss (EWL) is constant over a wide range of ambient relative humidity for two species of small, mesic habitat dasyurid marsupials (*Antechinus agilis* and *Antechinus swainsonii*) below thermoneutrality (20°C) and within thermoneutrality (30°C). This independence of EWL from the **water** vapor pressure deficit between the animal and its environment indicates that EWL is physiologically controlled by both species. The magnitude of this control of EWL was similar to that of two other small marsupials from more arid habitats, which combined with the observation that there were no effects of relative humidity on body temperature or metabolic rate, suggests that control of EWL is a consequence of precise thermoregulation to maintain heat balance rather than a **water**-conserving strategy at low relative humidities. The antechinus appear to manipulate cutaneous EWL rather than respiratory EWL to control their total EWL by modifying their cutaneous resistance and/or skin temperature. We propose that there is a continuum between enhanced thermoregulatory EWL at high ambient temperature and so-called insensible EWL at and below thermoneutrality.

Contributed Indexing: Keywords: Antechinus; body temperature; evaporative **water** loss (EWL); humidity; metabolic rate; regulation; thermoregulation; **water** balance; **water** vapor pressure deficit

Entry Date(s): Date Created: 20220419 Date Completed: 20220420 Latest Revision: 20220524

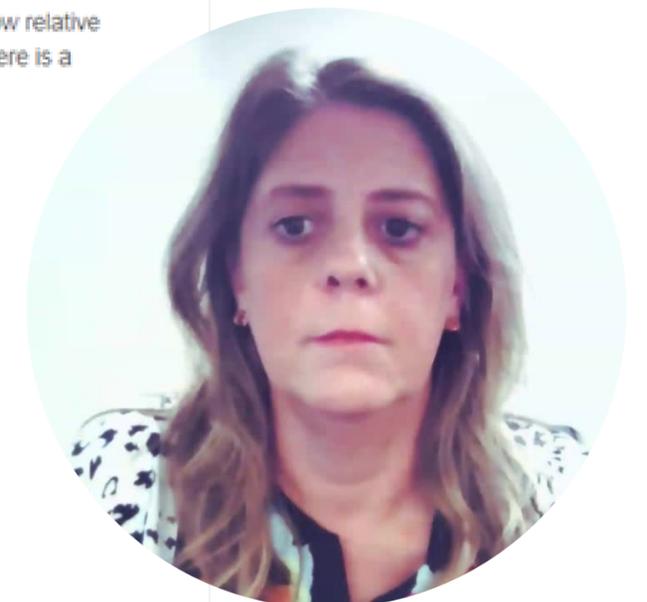
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Small Alpine Marsupials Regulate Evaporative Water Loss, Suggesting a Thermoregulatory Role Rather than a Water Conservation Role.

Authors: [Withers PC](#)
[Cooper CE](#)
[Körtner G](#)
[Geiser F](#)

Source: [Physiological and biochemical zoology : PBZ](#) [Physiol Biochem Zool] 2022 May-Jun; Vol. 95 (3), pp. 212-228.

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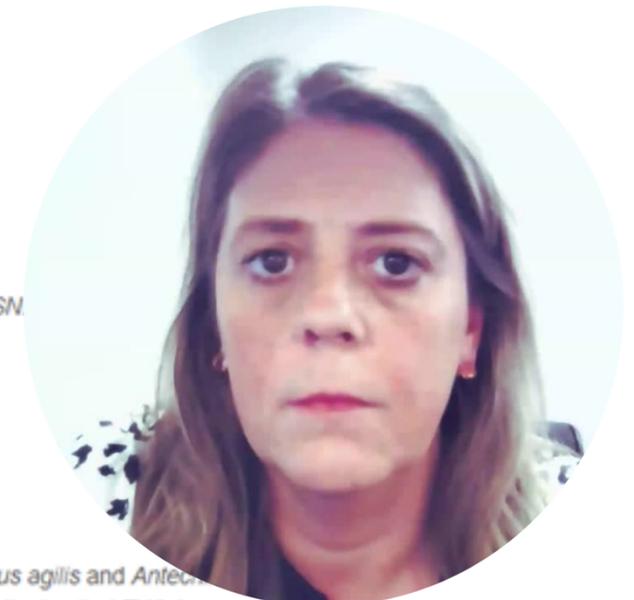
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Journal Info: Publisher: [University of Chicago Press](#) Country of Publication: United States NLM ID: 100883369 Publication Model: Print Cited Medium: Internet ISSN: 1537-5293 (Electronic) Linking ISSN: [Abbreviation: Physiol Biochem Zool Subsets: MEDLINE](#)

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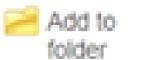
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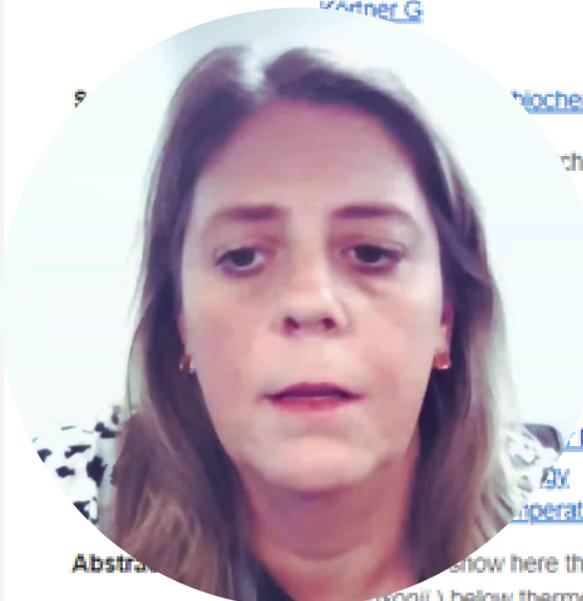
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Withers PC, Cooper CE, Körtner G, Geiser F. Small Alpine Marsupials Regulate Evaporative Water Loss, Suggesting a Thermoregulatory Role Rather than a Water Conservation Role. *Physiological and biochemical zoology : PBZ* [Internet]. 2022 May [cited 2023 Jul 13];95(3):212–28. Available from: <https://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=35437120&site=ehost-live>

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Small Alpine Marsupials Regulate Evaporative Water Loss, Suggesting a Thermoregulatory Role Rather than a Water Conservation Role.

Authors: [Withers PC](#)
[Cooper CE](#)
[Körtner G](#)



Physiological and Biochemical Zoology: PBZ [Physiol Blochem Zool] 2022 May-Jun; Vol. 95 (3), pp. 212-228.

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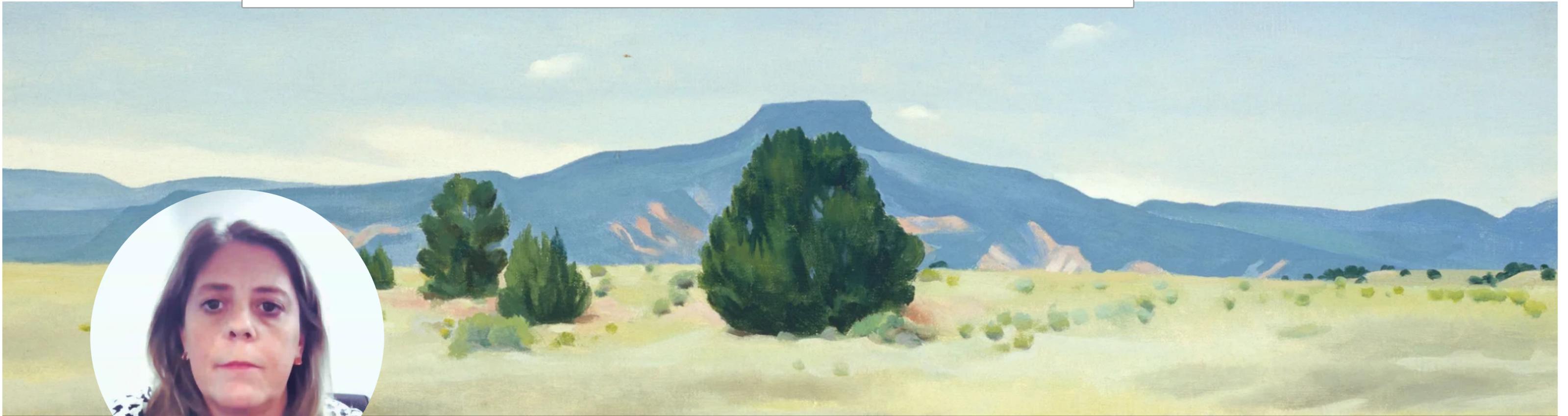
Chicago, IL : University of Chicago Press, c1999-

[Resources*](#)

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Abstract We show here that evaporative water loss (EWL) is constant over a wide range of ambient relative humidity for two species of small, mesic habitat dasyurid marsupials (*Antechinus agilis* and *Antechinus zimbardoni*) below thermoneutrality (20°C) and within thermoneutrality (30°C). This independence of EWL from the water vapor pressure deficit between the animal and its environment indicates that EWL is physiologically controlled by both species. The magnitude of this control of EWL was similar to that of two other small marsupials from more arid habitats, which combined with the observation that there were no effects of relative humidity on body temperature or metabolic rate, suggests that control of EWL is a consequence of precise thermoregulation to maintain heat balance rather than a water-conserving strategy at low relative

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BOB RIDDLE

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Maddaus, Michelle L. Maddaus, William O. Maddaus, Chris A. Matyas

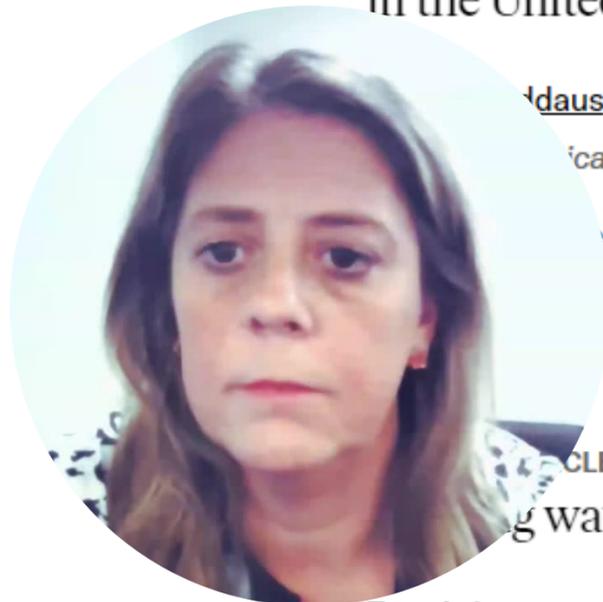
American Water Works Association), Vol. 106, No. 8 (August 2014), pp. 150-163

...history and future of **water conservation** in the United States New research, new technology, and a interest in **water** efficiency are coming together to instill a new **water conservation** ethic in the ver the past 100 years, communities have evolved and **water** demands...

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Tom Ash

Journal (American Water Works Association), Vol. 104, No. 2, Conservation (February 2012), pp. 67-73

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