

**FORTY-NINTH AMENDMENT TO
ELSEVIER SUBSCRIPTION AGREEMENT**

WHEREAS, the parties hereto have previously entered into an agreement dated 5 February 2009 (the "Agreement") as last amended on 27 March 2012 and wish to amend the Agreement as set forth in this amendment ("Amendment").

NOW, THEREFORE, in consideration of the mutual promises and covenants set forth below, and for such other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree to amend the Agreement as of the execution date below as set forth below and on Schedule 1.

If the Subscriber exercises its option under the Agreement to purchase system-wide perpetual access rights to any Elsevier book products, Elsevier will refund to the University of California, San Diego ("UCSD") the amount that UCSD previously paid for such products, provided that the Subscriber's purchase occurs within the same calendar year of the UCSD purchase. If the Subscriber's purchase occurs after the calendar year of the UCSD purchase, then Elsevier will deduct the amount that UCSD previously paid for such products from the Fees due for the Subscriber's purchase.

Except as specifically amended hereby, all of the existing terms and conditions of the Agreement are hereby ratified. Capitalized terms used herein that are not otherwise defined shall have the meanings ascribed to them in the Agreement. To the extent any terms or conditions of the Agreement conflict with or are inconsistent with this Amendment, the terms of this Amendment shall prevail.

IN WITNESS WHEREOF, the parties have executed this Amendment by their respective, duly authorized representatives as of 9 May 2012.

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JUN 11 2012

**THE REGENTS OF THE UNIVERSITY OF CALIFORNIA o/b/o
THE CALIFORNIA DIGITAL LIBRARY**

(Subscriber)
[Text deleted]

N
Title: *Executive Director* 1
[Text deleted]

ELSE
(Else)

Name
Title: *Managing Director, Global Sales & Customer Marketing, Science & Technology*

Amendment No.: 1-3016081871

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**FORTY-NINTH AMENDMENT TO
ELSEVIER SUBSCRIPTION AGREEMENT
Schedule 1
Subscribed Products/Access/Fees**

**THE REGENTS OF THE UNIVERSITY OF CALIFORNIA o/b/o
THE CALIFORNIA DIGITAL LIBRARY**

UNIVERSITY OF CALIFORNIA - SAN DIEGO / LA JOLLA

No. 1-3016081871

Subscribed Products – publisher	Access	2012
SciVerse® ScienceDirect® online – Elsevier B.V.	sciencedirect.sciverse.com	
Elsevier eBooks Titles		[Text deleted]
Elsevier Reference Works (perpetual access) - Treatise on Estuarine and Coastal Science - Comprehensive Biomaterials - Comprehensive Natural Products II: Chemistry and Biology		
TOTAL FEES		

ELSEVIER SUBSCRIPTION AGREEMENT
Annex A to Schedule 1
Subscribed Titles

UNIVERSITY OF CALIFORNIA - SAN DIEGO / LA JOLLA

Product ID	eBook Titles	Final Net Price 2012
9780080466156	An Introduction to Aspects of Thermodynamics and Kinetics Relevant to Materials Science	[Text deleted]
9780123540157	An Introduction to Dynamic Meteorology	
9780444528476	Antarctic Climate Evolution	
9780444520180	Arctic Ocean Sediments: Processes, Proxies, and Paleoenvironment	
9780123725066	Chemical Process Equipment	
9780127356327	Chemistry of the Natural Atmosphere	
9780124159167	Dissolved Gas Concentration in Water	
9780126173314	Dynamical Paleoclimatology	
9780123852274	Earth as an Evolving Planetary System	
9780444528100	Earth's Oldest Rocks	
9780444530660	Estuarine Ecohydrology	
9780123859563	Evidence-Based Climate Science	
9780444537577	Evolution of Earth and its Climate	
9780126151602	Fundamentals of Atmospheric Physics	
9780125780100	General Circulation Model Development	
9780444534460	Geomorphological mapping	
9780121476854	Global Biogeochemical Cycles	
9780126312607	Global Biogeochemical Cycles in the Climate System	
9780444529480	Global Climate Change and Response of Carbon Cycle in the Equatorial Pacific and Indian Oceans and Adjacent Landmasses	
9780123285300	Global Physical Climatology	
9780444528155	Global Warming and Global Cooling	
9780120928613	Handbook of MRI Pulse Sequences	
9780444511157	Handbook of Stable Isotope Analytical Techniques	
9780444511140	Handbook of Stable Isotope Analytical Techniques, Volume 1	
9780750682527	High Temperature Coatings	
9780124726703	Interhemispheric Climate Linkages	
9780123869838	Introduction to Robust Estimation and Hypothesis Testing	
9780126009521	Introduction to the Practice of Fishery Science	
9780125274708	Magnetic Stratigraphy	
9780444414908	Marine Optics	
9780123846549	Mathematical Methods for Physicists	
9780125547666	Mesoscale Meteorological Modeling	
9780125480352	Meteorology at the Millennium	
9780127328706	Modern Global Seismology	
9780126667509	Ocean Circulation Physics	
9780123859365	Offshore Wind: A Comprehensive Guide to Successful Offshore Wind Farm Installation	

Product ID	eBook Titles	Final Net Price 2012
9780444403209	Optical Oceanography	[Text deleted]
9780121240103	Paleoclimatology	
9780123735768	Paleoseismology	
9780123869791	Practical Text Mining and Statistical Analysis for Non-structured Text Data Applications	
9780120588664	Principles of Ocean Physics	
9780444532473	Quaternary Coral Reef Systems	
9780444521071	Salinity and Tides in Alluvial Estuaries	
9780123850225	Statistical Methods in the Atmospheric Sciences	
9780444415455	Submersibles and Their Use in Oceanography and Ocean Engineering	
9780444529558	The Climate of Past Interglacials	
9780124889507	The Continental Crust A Geophysical Approach A Geophysical Approach	
9780444402400	The Dynamic Method in Oceanography	
9780121394608	The Earth's Climate: Past and Future	
9780123869173	The Future of the World's Climate	
9780444510280	The Gulf of Guinea Large Marine Ecosystem	
9780444529596	The Indian Ocean Nodule Field	
9780444403940	The Mineral Resources of the Sea	
9780444403131	The Movement of Beach Sand An Analysis Using Fluorescent Grains	
9780444504258	The Sedimentary Basins of the United States and Canada	
9780121995706	Thermodynamics of Atmospheres and Oceans	
9780444529848	Tropical and sub-tropical West Africa - Marine and continental changes during the Late Quaternary	
9780080450124	U-Th Series Nuclides in Aquatic Systems	
9780080363721	Waves, Tides and Shallow-Water Processes	
9780444820709	Whales, Seals, Fish and Man	