

1. Record Nr.	UNINA9910298630703321
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Titolo	Alternative Routes to Oil Structuring / / by Ashok R. Patel
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-19138-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (78 p.)
Collana	SpringerBriefs in Food, Health, and Nutrition, , 2197-571X
Disciplina	612.397
Soggetti	Food—Biotechnology Chemistry, Organic Nutrition Food Science Organic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Natural waxes as oil structurants -- Polymer-based oleogels created using indirect methods -- Inorganic particle-based oleogels -- Potential food applications of oleogels -- General considerations and future trends.
Sommario/riassunto	This Springer Brief gives an overview of recent research conducted in the area of oil structuring starting with a detailed introduction on oleogelation and properties of food-approved building blocks followed by the discussion of some illustrative examples to explain the processing steps required for creating oleogels, advanced characterization (rheological, thermal and microstructural) and some potential edible applications of oleogels. The book w concludes with a section summarizing the general guidelines on the properties of oleogels and practically of approach with regards to the specific category of building blocks used for structuring. The text also lists some unresolved challenges that need to be addressed in order to fully exploit oleogelation for future food product development. The functional application of liquid oils in food product development is mostly accomplished by structuring them into soft, plastic-like materials. This structuring of oil is traditionally based on the fat crystal

network formed by high melting triacylglycerol (TAG) molecules that are rich in trans and/or saturated fatty acids. Currently, due to the factors such as the requirement for trans- and saturated fat-free food products, sustainable manufacturing and ethical trade practices, the research in the area of identifying alternative routes to oil structuring (in the absence of trans and saturated fats) has been regarded as a 'hot topic' in the bio-scientific community. Oleogelation (gelling of liquid oil in absence of crystallizable TAGs) is one such alternative, which has recently attracted tremendous attention from researchers and industrial scientists working in the domain of food product development. The possibility of creating structured gels that contain a large amount of liquid oil (usually above 90 wt%) opens up many possibilities to develop food products with better nutritional profiles.

2. Record Nr.	UNINA9910345156503321
Autore	Krickus Richard J.
Titolo	Medvedev's plan : giving Russia a voice but not a veto in a new European security system / / Richard J. Krickus
Pubbl/distr/stampa	Carlisle, Pa : , : Strategic Studies Institute, U S Army War College, , 2009
Descrizione fisica	1 online resource (ix, 111 pages)
Soggetti	Security, International - Europe Nuclear nonproliferation Nuclear arms control Russia (Federation) Military relations Europe Europe Military relations Russia (Federation) Russia (Federation) Military relations United States United States Military relations Russia (Federation)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (pages 95-111).
Sommario/riassunto	The author addresses the question of how to give Russia a voice but

not a veto in a new European security system and provides some provocative recommendations. Most specifically, he proposes that the time has come to provide Russia with a NATO Membership Action Plan (MAP) and agrees that those who argue against it remain mired in a Cold War mindset that is out of sync with today's strategic realities. Ultimately, a campaign to include Russia in NATO may fail but at the very least, the endeavor deserves serious consideration. He also provides compelling reasons why U.S. defense analysts must consider several future outcomes for Russia. In addition to being the only state that is capable of devastating the United States in a nuclear exchange, most of the world's population and resources exist on the borders of its massive territory. Its future then, will shape the global strategic environment for decades to come.
