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Cover
See Masahiro Goto *et al.*,
pp. 659–668.

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2026, **3**, 659.



Inside cover
See Karina del
Carmen Lugo-Ibarra,
Ana B. Castro-Ceseña *et al.*,
pp. 669–681.

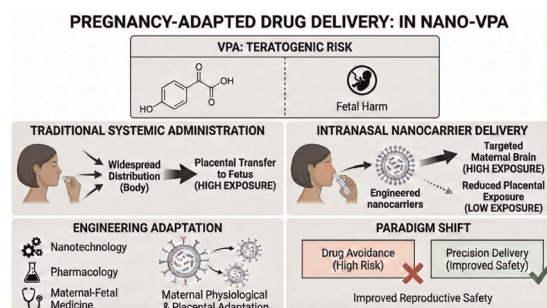
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2026, **3**, 669.

REVIEWS

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Redesigning valproic acid therapy in pregnancy: intranasal liposomes for targeted maternal treatment

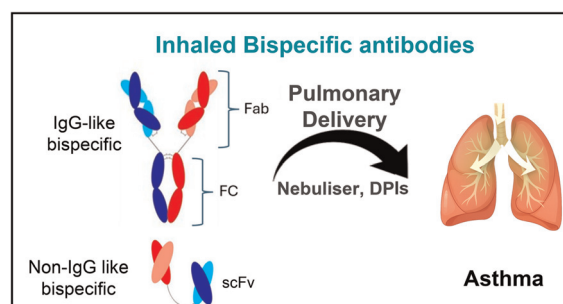
Bruna Corradetti,* Luigi C. Zangari, Francesco Mainardi,
Tamara Pezzotta, Richard H. Finnell and
Francesca Taraballi



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Advanced bispecific antibody design and inhaled biologics; emerging strategies for asthma

Zeina Kassem, Jenny K. W. Lam and Hanieh Khalili*



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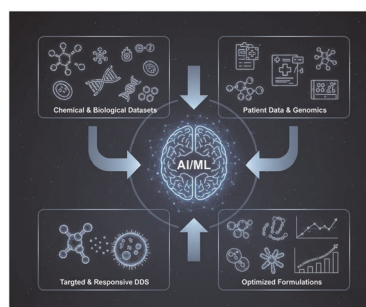
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REVIEWS

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The paradigm shift in therapeutics: a comprehensive review of artificial intelligence in drug delivery systems

Shivam Singh and Anindita De*

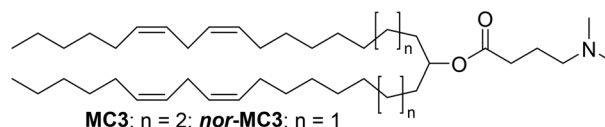


COMMUNICATION

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nor-MC3 and *nor*-KC2: cationic ionizable lipids for the delivery of therapeutic nucleic acids

Deaglan Arnold, Nagavenkata Durga Prasad Atmuri, Fariba Saadati, Ardalan Nabi, Daniel Z. Kurek, Anthony Tam, Taniya Adak, Dominik Witzigmann, Glenn Sammis, Pieter R. Cullis, Jayesh Kulkarni* and Marco A. Ciufolini*



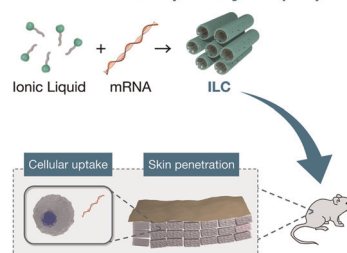
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Needle-free transdermal delivery of mRNA vaccine with ionic liquid crystals and effective tumor growth inhibition

Tomohiro Higashi, Keisuke Tanaka, Kiyohiro Toyofuku, Rie Wakabayashi, Yoshirou Kawaguchi, Noriho Kamiya and Masahiro Goto*

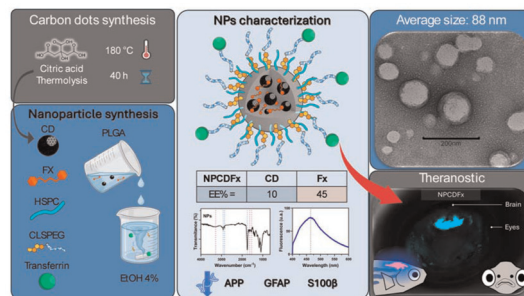
Transdermal delivery of mRNA vaccine with Ionic Liquid Crystal (ILC)



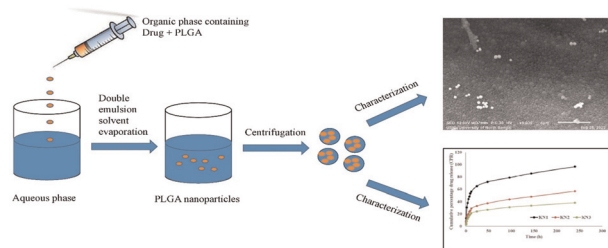
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Polymer-lipid hybrid nanoparticles co-encapsulating fucoxanthin and carbon dots for targeted anti-inflammatory therapy in Alzheimer's disease

J. Horacio Silvestre-Martínez, Lorna G. Yañez-Algandar, Karina del Carmen Lugo-Ibarra* and Ana B. Castro-Ceseña*



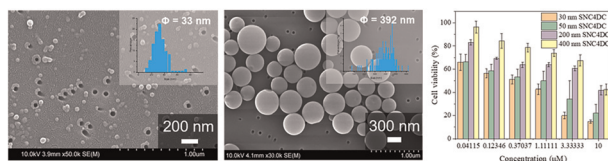
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Controlled release of Ketoprofen via PLGA nanoparticles: an *in vitro* study for rheumatoid arthritis therapy

Soumen Samanta, Kazi Asraf Ali, Manas Bhowmik, Samir Das and Dipika Mandal*

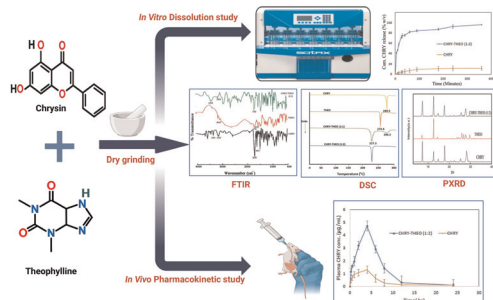
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Overcoming stromal barriers in pancreatic cancer via size-engineered carrier-free nano-prodrugs

Mengheng Yang, Ryuju Suzuki, Yoshitaka Koseki, Shuto Kodera, Ken Saijo, Hisato Kawakami, Keita Tanita, Sanjay Kumar, Kouki Oka and Hitoshi Kasai*

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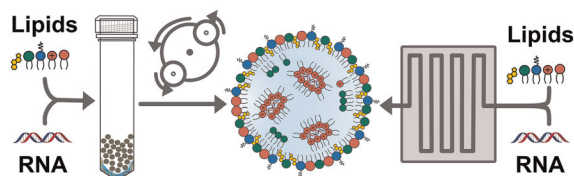
A simple and cost-effective chrysin–theophylline eutectic: enhanced solubility, dissolution, and oral bioavailability with potential for respiratory applications

Sanket Sirmanwar and Sharvil Patil*

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Dual Centrifugation

Microfluidic-Mixing-System



- Fast, reproducible, and cost-efficient
- Solvent-free formulation
- Ready-to-use; no post-preparation treatments (e.g., dialysis)

Dual centrifugation – a novel perspective on lipid nanoparticle formulation development

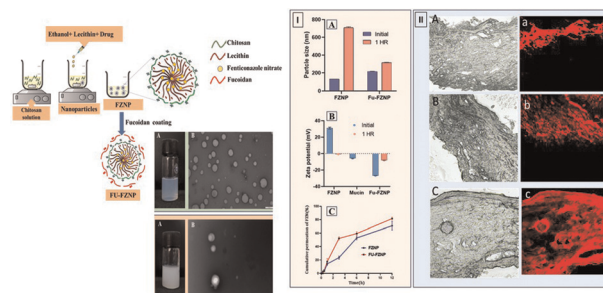
Valentin Bender,* Leon Fuchs, Monika Köll-Weber, Jan Lembeck, Laurine Kaul, Regine Süss and Ulrich Massing



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Development and evaluation of fenticonazole nitrate-loaded, fucoidan-coated lecithin–chitosan nanoparticles for the treatment of vaginitis

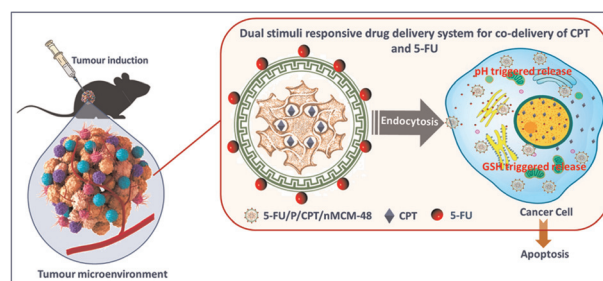
Valamla Bhavana, Padakanti Sandeep Chary, Urati Anuradha, Kishan Kumar Parida, Nitin Pal Kalia and Neelesh Kumar Mehra*



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In vivo translation of a dual-stimuli-responsive drug carrier based on mesoporous silica nanoparticles for the co-delivery of camptothecin and 5-fluorouracil

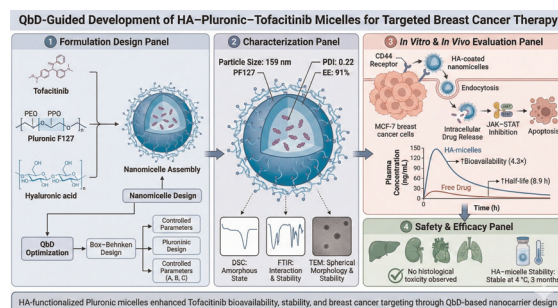
Debatrayee Dasgupta, Sonal Thakore,* Anjali Patel* and Sriram Seshadri



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QbD-optimized HA–Pluronic nanomicelles for the targeted repurposing of tofacitinib in breast cancer

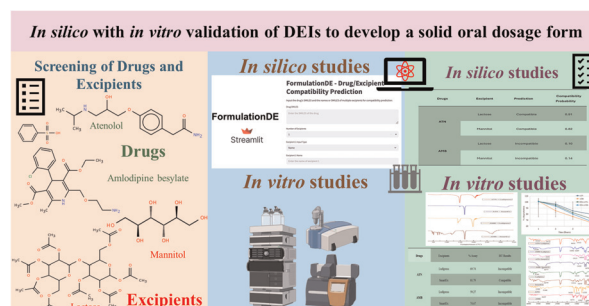
Suchita Waghmare,* Rohini Palekar, Pratiksha Bramhe, Nilesh Rarokar and Pramod Khedekar



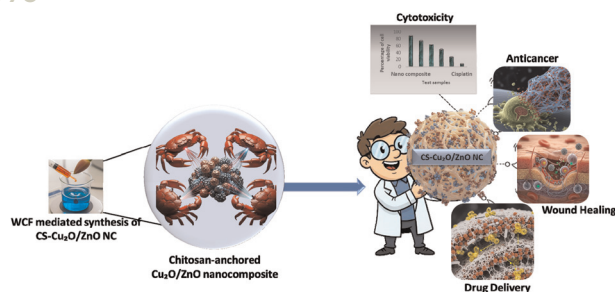
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Merged *in silico*–*in vitro* validations of atenolol and amlodipine besylate with excipient interactions for the design of solid oral dosage forms

Gaurav Awasthi and Subham Banerjee*



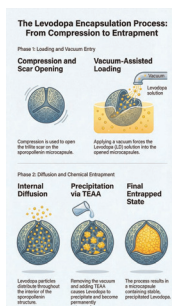
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Biogenic chitosan anchored $\text{Cu}_2\text{O}/\text{ZnO}$ nanocomposite: unlocking synergy for drug delivery, antineoplastic action, and wound repair

Manojna R. Nayak, Ravindra R. Kamble,*
Lokesh Bheemayya, Vishwa B. Nadoni, Amruta Patri,
Mallika Wali, Arun K. Shettar, Joy H. Hoskeri,
Rangappa S. Keri and Ashok M. Sajjan

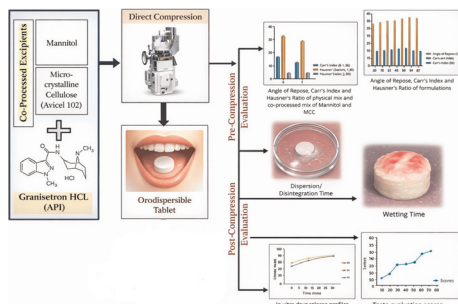
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Kinetic modelling and *in vitro* release mechanism of levodopa from sporopollenin-based microcapsules in human blood plasma

Shwan Abdullah Hamad,* Zhila Salam Othman,
Shilan Hiwa Hama Salih and Trefa Mohammed Abdullah

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Enhancing the performance of granisetron HCl orodispersible tablets using co-processed MCC-mannitol excipients: a direct compression approach

Shazia Naseem Chaudhry and Atiq Ur Rahman*

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Correction: Enhancing the bioavailability of sparingly-soluble drugs by expandable, solid-solution fibrous dosage forms

Aron H. Blaesi,* Henning Richter and Nannaji Saka

