

## IN THIS ISSUE

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### Cover

See S. Ram Prasad, A. Jayakrishnan *et al.*, pp. 412–429.

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### Inside cover

See Padma Devarajan *et al.*, pp. 430–440.

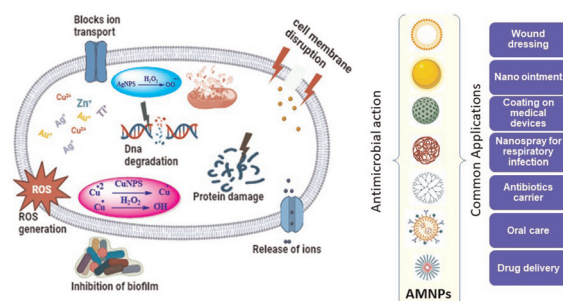
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## REVIEWS

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### Antimicrobial nanoparticles: current landscape and future challenges

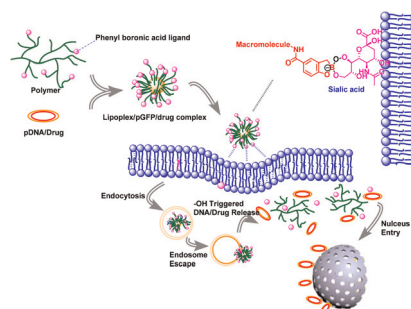
Suresh K. Mondal, Sourav Chakraborty, Sounik Manna and Santi M. Mandal\*



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### Phenylboronic acid-derived nanovectors for gene/drug delivery by targeting cell surface glycans

Venkanna Muripiti,\* Venkatesh Ravula, Srinivas Batthula, Janardhan Banothu and Ramesh Gondru\*



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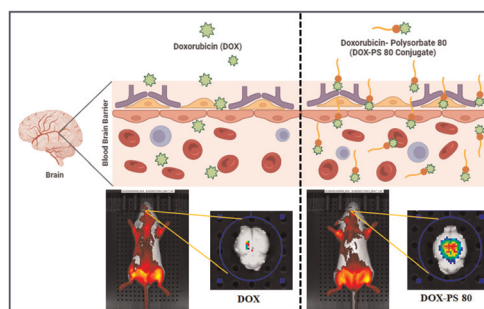
[rsc.li/chemcomm](http://rsc.li/chemcomm)

Fundamental questions  
Elemental answers

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### Doxorubicin-Polysorbate 80 conjugates: targeting effective and sustained delivery to the brain

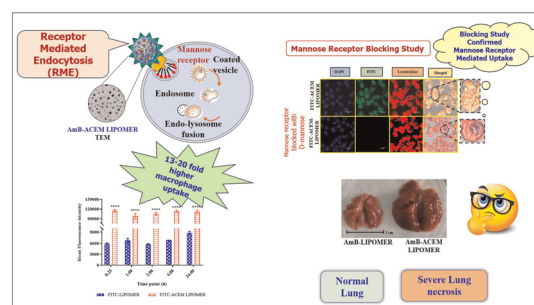
S. Ram Prasad,\* Sruthi Sudheendran Leena, Ani Deepthi, A. N. Resmi, Ramapurath S. Jayasree, K. S. Sandhya and A. Jayakrishnan\*



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### Is receptor mediated active macrophage targeting of amphotericin B nanoformulations a promising approach?

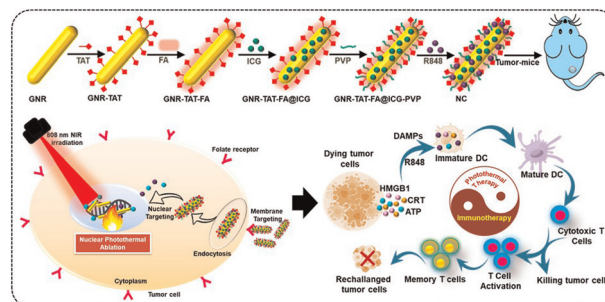
Saugandha Das, Pooja Todke, Manisha Madkaikar and Padma Devarajan\*



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### Immune-theranostic gold nanorod-based NIR-responsive nanomedicine for the delivery of TLR7/8 adjuvant-induced effective anticancer therapy

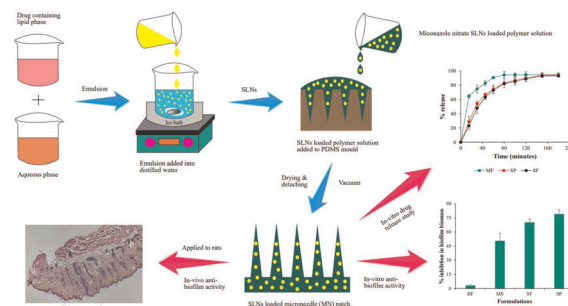
Karunanidhi Gowsalya, Babu Rithisa, Selvaraj Shyamsivappan and Raju Vivek\*



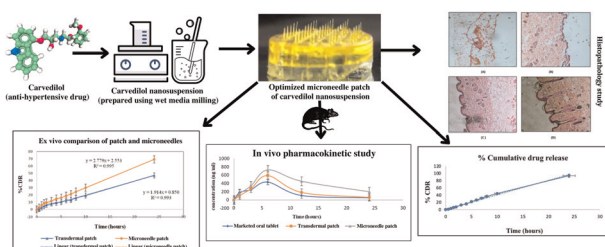
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### Fabrication of miconazole nitrate solid lipid nanoparticle loaded microneedle patches for the treatment of *Candida albicans* biofilms

Muhammad Sohail Arshad, Aqsa Ayub, Saman Zafar, Sadia Jafar Rana, Syed Aun Muhammad, Ambreen Aleem, Ekhoerose Onaiwu, Kazem Nazari, Ming-Wei Chang and Zeeshan Ahmad\*



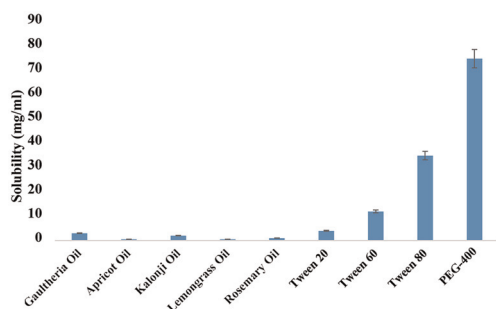
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### Microneedle-assisted transdermal delivery of carvedilol nanosuspension for the treatment of hypertension

Anushri Deshpande,\* Vidhi Mer, Darshana Patel and Hetal Thakkar

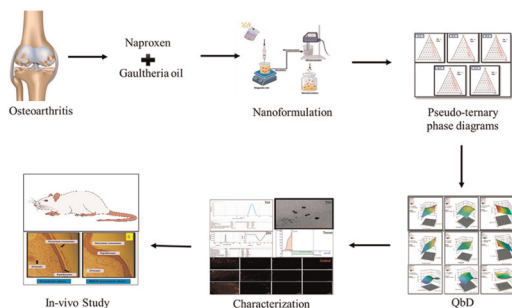
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### A pharmaco–technical investigation of oxaprozin and gaultheria oil nanoemulgel: a combination therapy

Talha, Ahsan Ali, Sradhanjali Mohapatra, Ayesha Siddiqui, Uzma Farooq, Athar Shamim, Pooja Jain, Mohammed Aslam, Ramsha Ansari, Mohd. Aamir Mirza\* and Zeenat Iqbal\*

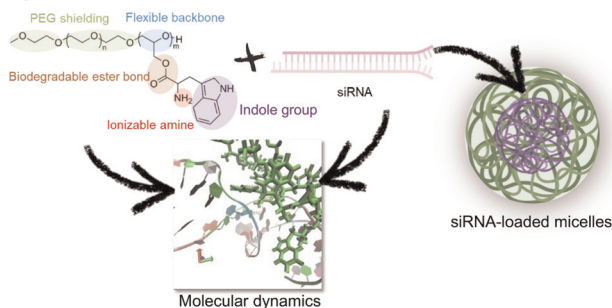
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### Development of a naproxen and gaultheria oil based topical nanoemulsion for the amelioration of osteoarthritis

Abdul Nafey Faheem, Ahsan Ali, Athar Shamim, Sradhanjali Mohapatra, Ayesha Siddiqui, Zeenat Iqbal\* and Mohd. Aamir Mirza\*

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### Tryptophan intercalation in siRNA drives the formation of polymeric micelles with enhanced delivery efficiency

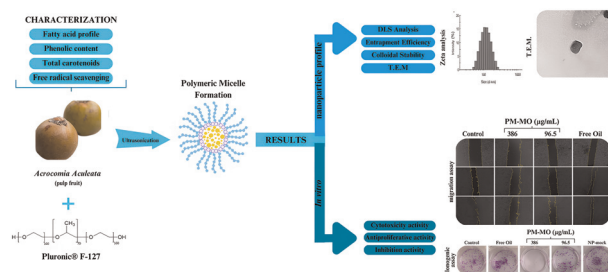
Yuki Nakashima, Wenqian Yang, Pengwen Chen, Keita Masuda, Teahun Hong and Horacio Cabral\*



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## Macauba oil carried by polymeric micelles reduces migration and proliferation of triple-negative breast cancer cells

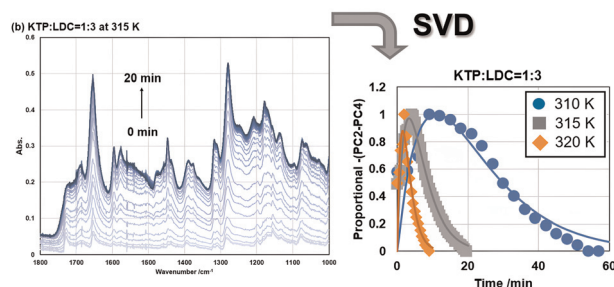
Davi T. Aleixo, Ana C. M. Gualberto, Ana B. C. dos S. Valle, Luan C. da Silva, Kézia C. B. Ferreira, Ari S. de O. Lemos, Rodrigo L. Fabri, Guilherme D. Tavares, Maurílio de S. Cazarim, Jacy Gameiro and Frederico Pittella\*



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## Thermodynamic and kinetic analysis of the melting process of S-ketoprofen and lidocaine mixtures

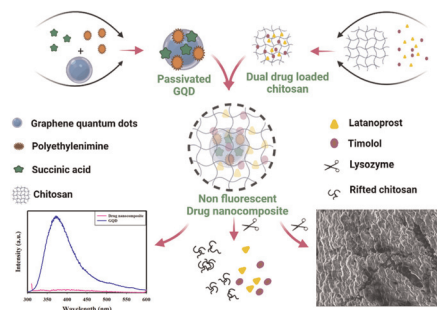
Kanji Hasegawa, Sara Ogawa, Hitoshi Chatani, Hikaru Kataoka, Tomohiro Tsuchida and Satoru Goto\*



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## Lysozyme activated co-delivery of latanoprost–timolol from mucoadhesive chitosan nanocomposite to manage glaucoma

B. N. Kumara, R. Shambhu, Yoon-Bo Shim and K. Sudhakara Prasad\*



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## Electrospun dressings with a dual release functionality of two anti-inflammatory active ingredients

Anna-Lena Gürtler, Jonathan P. Sirois, Julia C. Lang, Keira Melican, Thomas Rades and Andrea Heinz\*

