

Alternative chitosan-based EPR dosimeter applicable for a relatively wide range of gamma radiation doses

Thananchai Piroonpan, Pichayada Katemake, Eagkapong Panritdam, Wanvimol Pasanphan



PII: S0969-806X(17)30006-3  
DOI: <http://dx.doi.org/10.1016/j.radphyschem.2017.06.001>  
Reference: RPC7559

To appear in: *Radiation Physics and Chemistry*

Received date: 2 January 2017  
Revised date: 16 May 2017  
Accepted date: 1 June 2017

Cite this article as: Thananchai Piroonpan, Pichayada Katemake, Eagkapong Panritdam and Wanvimol Pasanphan, Alternative chitosan-based EPR dosimeter applicable for a relatively wide range of gamma radiation doses, *Radiation Physics and Chemistry*, <http://dx.doi.org/10.1016/j.radphyschem.2017.06.001>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Alternative chitosan-based EPR dosimeter applicable for a relatively wide range of gamma radiation doses

Thananchai Piroonpan<sup>a</sup>, Pichayada Katemake<sup>a</sup>, Eagkapong Panritdam<sup>c</sup>, Wanvimol Pasanphan<sup>b,c,\*</sup>

<sup>a</sup> Department of Imaging and Printing Technology, Faculty of Science, Chulalongkorn University, 254 Phayathai Rd., Pathumwan, Bangkok 10330, Thailand

<sup>b</sup> Department of Materials Science, Faculty of Science, Kasetsart University, 50 Ngamwongwan Road, Ladyao, Chatuchak, Bangkok 10900, Thailand

<sup>c</sup> Center of Radiation Processing for Polymer Modification and Nanotechnology (CRPN), Department of Materials Science, Faculty of Science, Kasetsart University, 50 Ngamwongwan Road, Ladyao, Chatuchak, Bangkok 10900, Thailand

\* Corresponding author. Tel.: +662 562 5555 ext. 646599; fax: +662 942 8290.

Email address: wanvimol.p@ku.ac.th (Wanvimol Pasanphan).

Download English Version:

<https://daneshyari.com/en/article/5499017>

Download Persian Version:

<https://daneshyari.com/article/5499017>

[Daneshyari.com](https://daneshyari.com)