**Abstract template (max. 3 pages)**

**NOVEL BIO-POLYMERS FOR ………………..**

Radim Hrdinaa, John Smithb, ………………………….

a Faculty of Chemical Technology, University of Pardubice, Czech Republic

b University of ……………

Corresponding author: Radim Hrdina; [radim.hrdina@upce.cz](mailto:radim.hrdina@upce.cz)

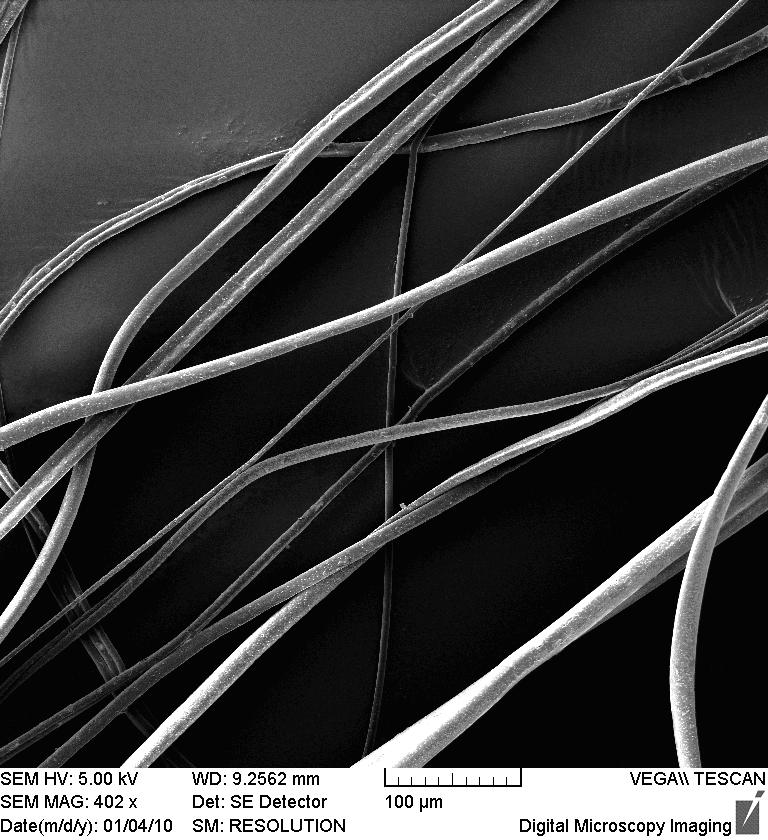
**Abstract/Extended abstract**

Novel bio-polymers such as hyaluronic acid, chitin and chitosan have been intensively investigated for medicinal and cosmetic purposes [1,2].

.

.

Prepared fibres (Fig. 1) were …………………..



**Figure 1.** EMS of prepared fibre

.

.

Hydrazine hydrate was used as the reducing agent for silver oxide (Eq. 1).

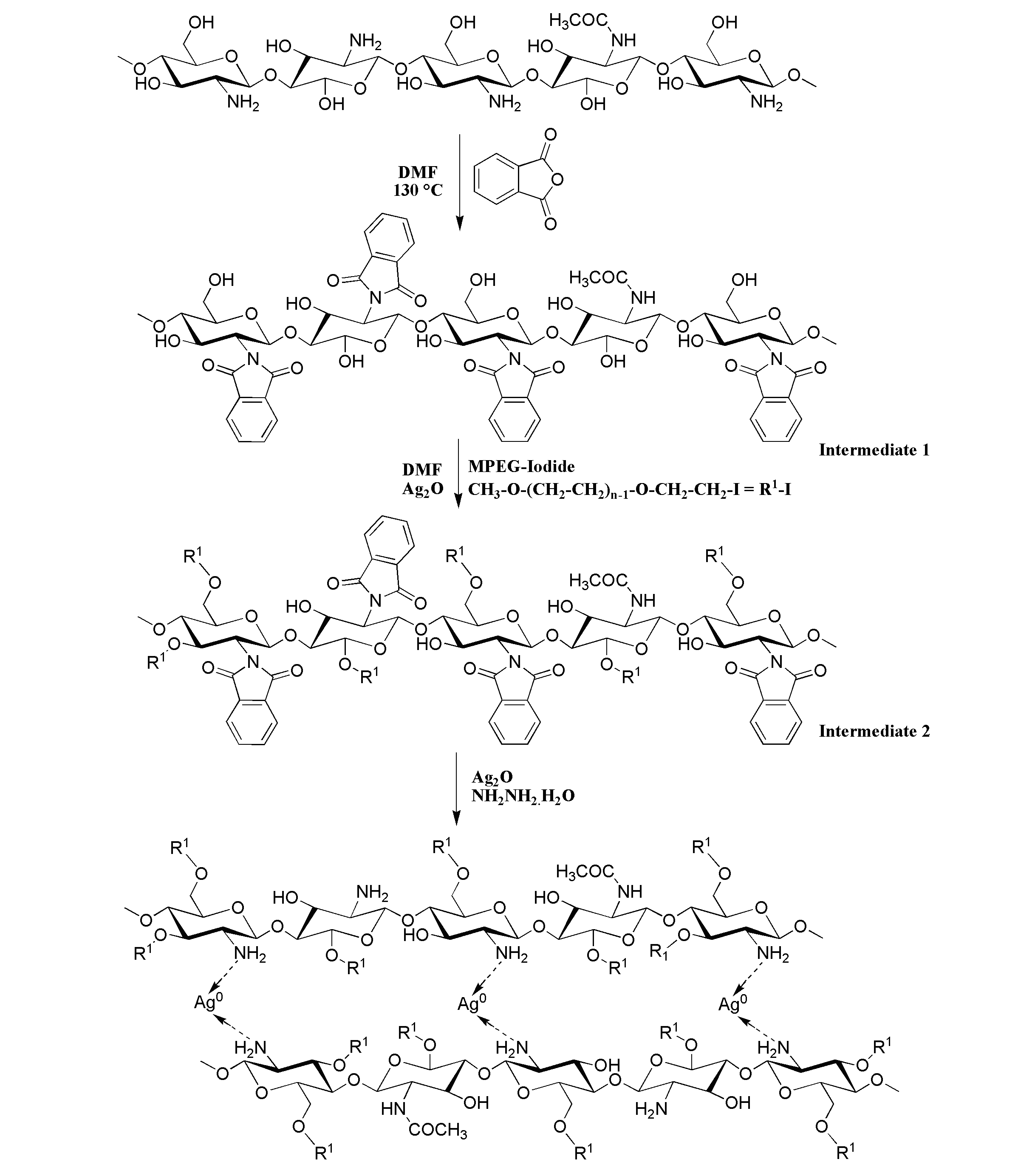


**Equation 1.**

**.**

**.**

Incorporation of silver into fibre (Scheme 1) was ………………



**Scheme 1.** Reaction of ……………

.

.

Reaction conditions (Tab. 1) were ……………..

**Table 1**. Reaction conditions

|  |  |  |  |
| --- | --- | --- | --- |
| **Entry** | **Temperature (oC)** | **Yield (%)** | **Remark** |
| 1 | 80 | 65 |  |
| 2 |  |  |  |
|  |  |  |  |

.

.

**References**

1. Burgert, Ladislav; Hrdina, Radim; Masek, David; Velebny, Vladimir: PCT Int. Appl. (2012), WO 2012089179 A1 20120705.
2. Abdel-Mohsen, A. M.; Hrdina, Radim; Burgert, Ladislav; Krylova, Gabriela; Abdel-Rahman, Rasha M.; Krejcova, Anna; Steinhart, Milos; Benes, Ludvik: Carbohydrate Polymers (2012), 89(2), 411-422.