



Fakulteta za
strojništvo



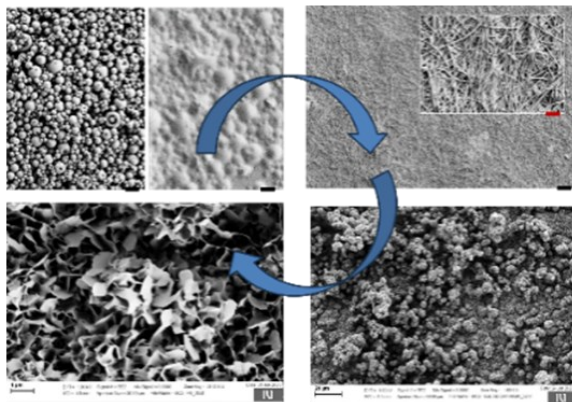
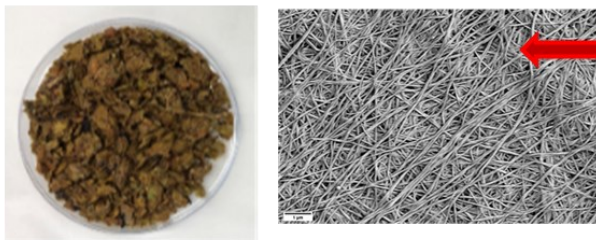
Univerza v Mariboru

IZHODIŠČA ZA DOBRO VSEBINSKO PRIPRAVO PROJEKTA

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Fakulteta za strojništvo UM

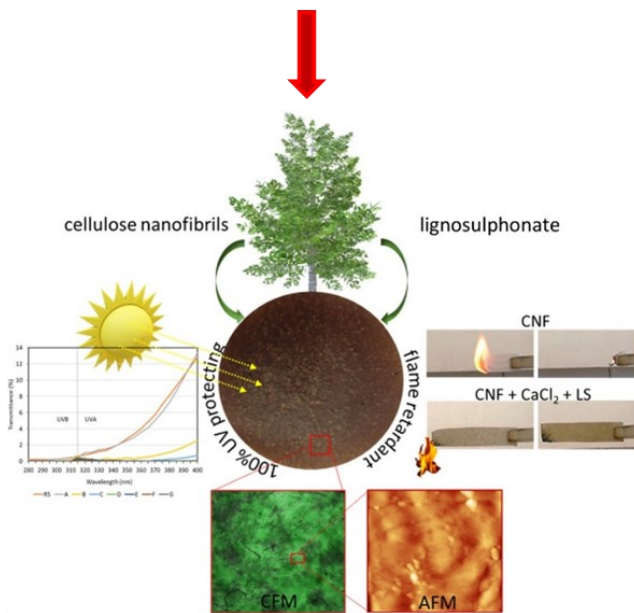
Maribor, četrtek, 30. november 2023

Research area

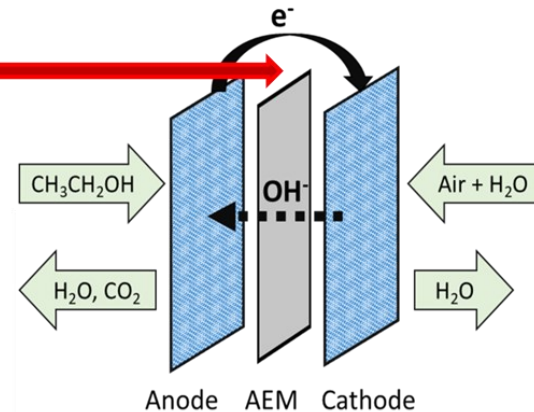


SUSTAINABLE
BACTERIAL NANOCELLULOSE

BIOPOLYMERS



FLAME RETARDANT BIOMASS



FUEL CELLS

ARR(I)S chronology...

2014 PhD

2016 **basic research** post-doctoral project

2019 **basic research** project with FWF (lead, not submit)

2020 **basic research** young doctor project

2023 **basic research** middle generation project

WEAVE agreement with Suisse National Science Foundation

» NANOFIBRILAR CELLULOSE MEMBRANES IN MICROBIAL FUEL CELLS: MATERIAL DEVELOPMENT FOR SUSTAINABLE, HIGH VALUE-ADDED APPLICATIONS «



coordinator

FS

partners

FERI-UM, FKKT-UM, FKKT-UL

duration

3 years (1.18 FTE)

scientific disc.

Engineering sciences and technologies

Textile and leather



Javna agencija za znanstvenoraziskovalno in inovacijsko dejavnost Republike Slovenije je na podlagi 43. člena Zakona o znanstvenoraziskovalni in inovacijski dejavnosti (Uradni list RS, št. 186/21 in 40/23), 28. člena Splošnega akta o postopkih (so)financiranja in ocenjevanja ter spremljanju izvajanja znanstvenoraziskovalne dejavnosti (Uradni list RS, št. 166/22; v nadaljnjem besedilu: Splošni akt o postopkih (so)financiranja) v zvezi s petim odstavkom 47. člena Sklepa o ustanovitvi Javne agencije za znanstvenoraziskovalno in inovacijsko dejavnost Republike Slovenije (Uradni list RS, št. 48/23) ter sklepa Znanstvenega sveta Javne agencije za znanstvenoraziskovalno in inovacijsko dejavnost Republike Slovenije št. 6316-14/2022-232 z dne 19. 9. 2023, v zadevi Javnega razpisa za (so)financiranje raziskovalnih projektov za leto 2023 sprejela naslednji

SKLEP

o izboru prijav za (so)financiranje raziskovalnih projektov na podlagi Javnega razpisa za (so)financiranje raziskovalnih projektov za leto 2023

1. Na Javnem razpisu za (so)financiranje raziskovalnih projektov za leto 2023 se za (so)financiranje **izbere** prijava prijavitelja Univerza v Mariboru, Fakulteta za strojništvo, št.

Criterion & indicators for basic projects

Ocena BT	Kriterij	Kazalniki	Največje št. točk
BT 1	Znanstvena odličnost raziskovalcev	-Izjemni dosežki -Izkazana sposobnost samostojnega in ustvarjalnega razmišljanja -Sposobnost priprave predloga raziskave in vodenja raziskav	5
BT 2	Znanstvena odličnost prijave	-Ustreznost naslavljanja pomembnih raziskovalnih izzivov - Ambicioznost in izjemnost ciljev (na primer nove metode in pristopi k razvoju področij) -Jasnost koncepta, vključno z interdisciplinarnim vidikom, in ustreznost ciljev -Izvirnost zamisli -Primernost predlagane metodologije raziskave za doseganje ciljev	5
BT 3	Kakovost in učinkovitost izvedbe	-Primernost in učinkovitost delovnega načrta, vključno z ustreznostjo dodeljevanja nalog in razporeditvijo sredstev -Izvedljivost znanstvenega pristopa	5
	Skupaj		15

<https://www.arrs.si/sl/akti/23/metod-skupna-jan23.asp>

B1 Scientific excellence of the researchers

indicators

additional documents

Demonstrated ability to think independently and creatively



comprehensive CV
each achievement counts

Outstanding achievements



5 major achievements

Ability to prepare a research proposal and conduct research



list of completed projects and mentoring
excellence, expertise - fit to project,
enthusiastic & responsible
qualified



PROJECT TEAM

~ 1 pg. of your proposal

B2 Scientific, technological or innovation excellence



▶ SMART objectives

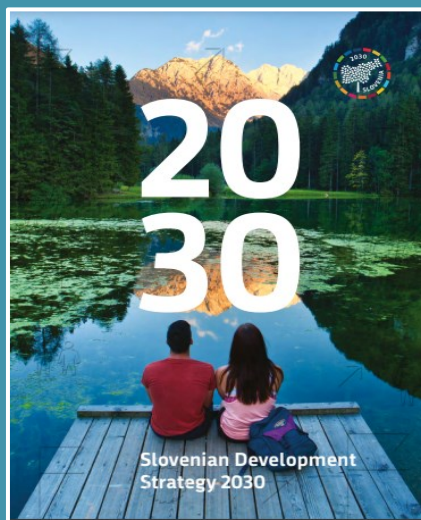
S pecific	Clearly state what is to be done during your project.
M easurable	Choose an outcome that can be measured easily.
A ttainable	Still ambitious, but also aware of your capacity to reach the goals you set.
R ealistic	Define your objective in accordance to your & Slo & EU interests.
T ime-bound	Choose a time frame with an end date to achieve your goals.

▶▶ Project idea

Slovenian / EU / global
strategies, goals, priorities, policies



**SUSTAINABLE
DEVELOPMENT
GOALS**



https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal_en

<https://www.gov.si/assets/ministrstva/MKRR/Strategija-razvoja-Slovenije-2030/Slovenian-Development-Strategy-2030.pdf>

our research interests
conference topic
PhD (continue...)



B3 Quality and efficiency of implementation and management

indicators *sub-sections in your proposal*

Adequacy and effectiveness of the work plan, including the appropriateness of the assignment of tasks and the allocation of resource

Feasibility of the scientific approach

► *Detailed description of the work programme*

WP1:....., leader, duration

Objectives 1,2,3...

Task1.1 (leader, duration)

.....

Task1.2.....

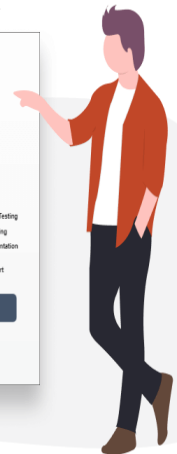
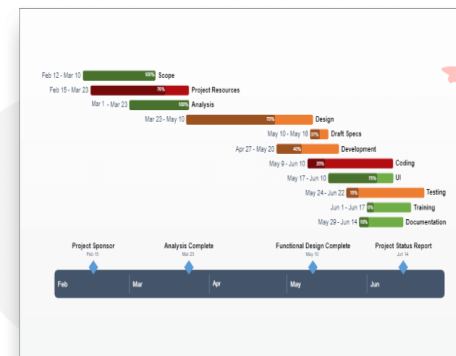
Task1.3.....

Milestones (month):

Deliverables (month):

RISKS (LEVEL) / CONTINGENCY PLAN

*Project management
detailed implementation
plan and timetable*



Available research equipment > 5.000 €

Not graded

IMPACT (scientific, societal, economic...) is part of the Digital Form application

OPEN SCIENCE

GENDER BALANCE

ETHICS

DATA MANAGEMENT PLAN...



- Start planning on time.
- Make an IDEA folder on your PC.
- Identify relevant problems from literature, conferences, discussions and quantify them.
- Read strategic documents.
- No vague, but SMART objectives.
- Nice drawings to catch the attention (even not graded..).
- Cover all indicators.
- Be perseverant – keep improving your proposal.
- Reviewer feedback is valuable.

Our proposal was granted on the 3rd trial!

- Good luck!





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