

A STUDY ON HYBRID NANOFIBER AND LANOLIN STRUCTURES

Document:

Budget

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FINAL YEAR PROJECT



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Budget

The following tables display the three different categories the costs were classified into (Table 1, Table 2 and Table 3), as well as the total cost of the entire project (Table 4).

Table 1. Cost of project activities

Activities	Duration (hours)	€/hour	Cost (€)
<i>Research</i>	120	13	1.560,00 €
<i>Creation of project charter</i>	7	13	91,00 €
<i>Project planning</i>	3	13	39,00 €
<i>Production of nanofiber membranes</i>	96	13	1.248,00 €
<i>Creation of hybrid structures</i>	45	13	585,00 €
<i>Tests</i>	144	13	1.872,00 €
<i>SEM images</i>	2	13	26,00 €
<i>Analysis of results</i>	54	13	702,00 €
<i>Conclusions</i>	5	13	65,00 €
<i>Review thesis</i>	15	13	195,00 €
Total cost:			6.383,00 €

Table 1. Cost of laboratory machines [1]

Laboratory machines	Units	€/unit	Useful life (years)	Cost (€)
<i>Electrospinning machine</i>	1	80.000,00 €	20	4.000,00 €
<i>Optical tensiometer</i>	1	3.000,00 €	10	300,00 €
<i>EKA</i>	1	20.000,00 €	20	1.000,00 €
<i>Scale</i>	2	295,00 €	15	39,33 €
<i>Magnetic stirrer</i>	2	139,00 €	10	27,80 €
<i>MY E3 Pipette</i>	1	850,00 €	10	85,00 €
Total cost:				5.452,13 €

Table 2. Cost of laboratory material and equipment [1–4]

Laboratory material and equipment	Units	€/unit	Cost (€)
<i>Carboard</i>	4	0,50 €	2,00 €
<i>Bag PLA pellets</i>	1	12,95 €	12,95 €
<i>1 L bottle of HFIP</i>	1	1.000,00 €	1.000,00 €
<i>Metal spatula</i>	2	4,65 €	9,30 €
<i>50 ml beaker</i>	6	4,89 €	29,34 €
<i>25 mL Erlenmeyer flask with stopper</i>	6	9,15 €	54,90 €
<i>Magnetic stirring bar</i>	1	3,07 €	3,07 €
<i>Roll of Parafilm</i>	1	33,00 €	33,00 €
<i>Eppendorf syringe</i>	3	1,15 €	3,45 €
<i>Plastic syringe</i>	3	0,85 €	2,55 €
<i>397 g container of Lanolin α</i>	1	12,86 €	12,86 €
<i>198 g container Lanolin β</i>	1	11,90 €	11,90 €
<i>Bottle of 500 g solid KCl</i>	1	12,08 €	12,08 €
<i>Tweezers</i>	2	5,30 €	10,60 €
<i>1 L volumetric flask</i>	3	32,00 €	96,00 €
<i>2 L volumetric flask</i>	2	64,00 €	128,00 €
<i>3 L plastic containers</i>	3	3,20 €	9,60 €
<i>Roll of teflon tape</i>	1	6,99 €	6,99 €
<i>Pairs of gloves</i>	10	0,56 €	5,62 €
Total cost:			1.444,21 €

Table 3. Total cost

Sections	Cost
<i>Activities</i>	6.383,00 €
<i>Laboratory machines</i>	5.452,13 €
<i>Laboratory material and equipment</i>	1.444,21 €
Total cost:	13.279,34 €

Bibliography

- [1] Anon Lab Equipment and Lab Supplies | Fisher Scientific
- [2] Anon Filamentos impresora 3D Filamentos Pla ABS Hips
- [3] Anon Letslab, distribuidor global de material de laboratorio
- [4] Anon Amazon.es: compra online de electrónica, libros, deporte, hogar, moda y mucho más.