



Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43

PROF.C.N.R RAO RESEARCH CENTRE

REQUISITION FOR CONSULTANCY/SAMPLE ANALYSIS

Name &amp; Designation /Class :

Department :

Institution and Address :

Email id :

Mobile Number:

User Category : Industry/Lab/UG/PG/Project Work/Ph.D/Faculty/Others

SAMPLE INFORMATIONNumber of Samples :  Sample Code: 

Nature of Sample : Solid/Liquid/Metal plate/Glass plate/Polymer film/Textile/Others

Receipt no/Transaction no :  Discard sample after analysis: Yes/NoEquipment Outsourcing

S. No	PARTICULARS	No. of Samples	SAMPLE INFORMATION (Kindly enter the details/tick wherever applicable)
1.	FE-SEM & Elemental analysis (with mapping of elements)		<b>If powder 20mg, flat metal plate (max 1*1cm)</b> <b>If liquid it will be coated on carbon tape</b>
	Expected elements required (optional)		
	FESEM image or EDX only		
2.	XRD(Powder sample only)		<b>Qty:50mg, If liquid coat on glass substrate</b>
3.	Body Composition Analyzer		
4.	Electrochemical Workstation (Linear Polarisation, EIS, Cyclic Voltammetry, GCD etc)		<b>Qty:50to 100mg</b>
5.	Spectrophotometer with Color lab		<b>Sample Nature: Fabric/Films(minsize:2*2cm)</b>
6.	Texture Analyzer		<b>Sample Nature: Solid only</b>
7.	ICP-OES		<b>Sample Nature: Liquid only (Qty:15ml microwave digested one)</b> <b>If solid, We need to digest, S.no 8 extra)</b>
8.	Microwave digester(ICP-OES sample pre processor)		<b>Qty:1to2g(Qty may vary for different source/nature of sample)</b>
9.	Ball Mill( <b>Qty:min:25g;max:1.2Kg</b> )		<b>Milling any solid sample except Carbon black</b>
10.	DLS and Zeta Potential( <b>Qty:10mg(solid), if Liquid 1ml</b> )		<b>Sample Nature: DLS (All solvents)</b> <b>Zeta Potential : Aqueous only</b>
11.	Trinocular Microscope		
12.	Nano Spray Dryer (min 200ml)		<b>Sample Nature: Aqueous only</b>
13.	Thermo Gravimetric Analyser (TGA)		<b>Qty:min10mg(Powder/fabric/film sample only)</b>
14.	Digital Travelling Microscope		
15.	Ellipsometry, Sample size:min2*2cm		<b>Substrate Refractive index needed</b>
16.	Dip coater		
17.	UV Biospec Nano Spectrophotometer(uv absorbance/simple Nucleic acid &Protein quantitation)		<b>Solubility: Ethanol/Methanol/Aqueous</b> <b>Qty:100µl</b>
18.	FTIR(ATR)		<b>Qty:20mg (solid); if liquid 0.5ml, fabric/fiber/ film size1*1cm</b>
19.	3D Optical Profilo meter		<b>Sample size:2*2cm preferable</b>
20.	Contact Angle meter		<b>Sample size:min2*2cm preferable</b>
21.	Ultrasonic Homogenizer		<b>Aqueous only</b>
22.	Design of Experiments		<b>Charges vary for data above1000</b>
23.	Centrifuge		<b>Minimum1000 to Maximum 17000RPM</b>
24.	Cooling centrifuge (min-9°C)		<b>Minimum1000 to Maximum 14500RPM</b>
25.	Turbidity Meter		<b>Qty: min 25ml</b>
26.	Conductivity Meter		<b>Qty: min 25ml</b>
27.	Plasma coater		
28.	Ozone purifier		

Date:

Signature of Student

Signature of Guide/HOD



**Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43**  
**PROF.C.N.R RAO RESEARCH CENTRE**  
**REQUISITION FOR CONSULTANCY/SAMPLE ANALYSIS**

Name &amp; Designation/Class :

Department :

Institution and Address :

Email id :

User Category : Industry/Lab/UG/PG/Project Work/Ph.D/Faculty/Others



Mobile Number:

**SAMPLE INFORMATION**

Number of Samples :

Sample Code:

Nature of Sample :

Solid/Liquid/Metal plate/Glass plate/Polymer film/Textile/Others

Receipt no/Transaction no :

Sample discard after analysis: Yes/No

**Experiments and Assays**

S.No	PARTICULARS	No. of Samples	SAMPLE INFORMATION (Kindly enter the details/tick whether if applicable)
29.	Brine Shrimp Toxicity Assay (min Liquid: 10ml/Solid: 2g)		<b>Solubility:</b> Ethanol/Methanol/Aqueous
	Brine Shrimp Toxicity along with 3D image		
30.	Phytochemical Screening (50ml or plant extract min2g)		<b>Solubility:</b> Ethanol/Methanol/Aqueous
31.	Anti-oxidant Assay(15ml)		<b>Solubility:</b> Ethanol/Methanol/Aqueous
32.	Electrochemical Study Based Antioxidant activity		<b>Solubility:</b> Ethanol/Methanol/Aqueous
33.	Preparation of Silver Nanoparticle*		Biosynthesis/Chemical synthesis
34.	Preparation of Gold Nanoparticle*		Biosynthesis/Chemical synthesis
35.	Preparation of rGO*		Biosynthesis/Chemical synthesis
36.	Preparation of Cu Nanoparticle*		Biosynthesis/Chemical synthesis
37.	Preparation of Zn Nanoparticle*		Biosynthesis/Chemical synthesis
38.	Preparation of Bimetallic nano*		Biosynthesis/Chemical synthesis
39.	Preparation of trimetallic nano*		Biosynthesis/Chemical synthesis
40.	Contact angle Surface energy calculation		
41.	Preparation of Soap*		
42.	Preparation of Electrodes*		
43.	Ozonation of Materials/Plant Extracts*		
44.	Plasma Treatment of Samples*		
45.	Ointment Preparation*		
46.	Molecular Docking using Hex		
47.	Water/Soil testing (pH, Hardness, Alkalinity, Ca, Mg, Ca Hardness, Mg Hardness, Turbidity, Conductivity, & TDS)		<b>Sample Nature:</b> Aqueous Only
48.	Lovibond Visible spectrophotometer(Sulphate, Nitrate, Nitrite, Phosphate, Ammonia, Iron, Manganese and Fluoride)		<b>Sample Nature:</b> Aqueous Only
49.	Colorimetry based qualitative estimation of Elements		
50.	Estimation of pH		
51.	Anti-Ageing assay		<b>Sample Nature:</b> Solid/Liquid
52.	Anti-Obesity		<b>Sample Nature:</b> Solid/Liquid
53.	Allium cepa Toxicity Assay		<b>Sample Nature:</b> Solid/Liquid
54.	Anti-Diabetic Assay		
55.	HCL Analysis		<b>Sample Nature:</b> Solid/Liquid
56.	Nitrogen quantification		<b>Sample Nature:</b> Solid/Liquid
57.	Sulphur quantification		
58.	Dialysis Assay		
59.	Sample extraction		<b>Sample Nature :</b> Powder/Solid
60.	Consultancy service for interpretation of results		<b>Charges according to the consultancy availed</b>

Date:

Signature of Student

Signature of Guide/HOD with Seal

Note: \*\*\*Kindly acknowledge the facility utilized in publications and intimate to us  
 If samples are not be discarded please collect in person

**ANALYSIS OUTSOURCING CHARGES\***

S.NO	PARTICULARS	CHARGE PER SAMPLE (Rs)		
		Inside Institution	Other Institution	Industries/ R&D'S
1.	FESEM with EDS(5 images only)	1000		3000
	Each additional image & EDS (per image)	100		100
	Either FESEM image or EDS	500		1500
2.	XRD(Slow scan-Rs.800/Sample)	400		1000
3.	Body Composition Analyzer	100		500
4.	Electrochemical Workstation*&## (per sample/per parameter study)	500		1000
5.	Spectrophotometer with Colorlab	50		200
6.	Texture Analyzer	100		1000
7.	ICP OES: **Single Element Std Calibration	500		2000
	**Multi Element Std Calibration	1000		4000
	Single Element Detection	250		1000
	Multi Element Up to 10 Element	1500		4000
	Each Additional elements	100		200
8.	Microwave Digester(depends on Sample nature)	Min 250 to max 1000		2000
9.	Ball Mill*(per hour/per sample)	100		400
10.	DLS(Particle Size)	250		500
	Zeta Potential	250		500
11.	Trinocular	100		200
12.	Nano Spraydryer	1 day	500	1000
		2 days	600	1250
		3 days	700	1500
13.	Thermo Gravimetric Analyser Heat rate: 20 °C & above	500	750	2500
		Heat rate: 15 °C	600	850
		Heat rate: 5 °C & 10 °C	900	1000
14.	Digital/USB travelling microscope	100		200
15.	Ellipsometry	100		400
16.	Dipcoater*(Per hour/per sample)	100		200
17.	UV Biospec Nano spectrophotometer*,# (Sample Qty-100 µl)	100		200
18.	FT-IR	100		250
19.	3D Optical Profiler	200		4000
20.	Contact angle meter	300		500
	Surface Energy or Tension value	100		100
21.	Ultrasonic homogenizer*(per hour/per sample)	50		100
22.	Design of Experiments* (If data is above 1000 charges vary)	250		400
23.	Centrifuge	100		200
24.	Cooling centrifuge (min-9 °C)	200		400
25.	Turbidity meter	50		100
26.	Conductivity Meter	50		100
27.	Plasma Chamber*(per hour/per sample)	100		1000
28.	Ozone Purifier	50		200
	Sample Preparation Charges	Rs. 50-200 depending on the analysis		

\*\*Upon request only, ##Time taken study

Online Payment details: The Registrar, SBA/C: 6059667020 (R&C), INDIAN BANK, ADUC BRANCH, IFSC: IDIB000A005

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If samples are not be discarded please collect in person



## EXPERIMENTS AND ASSAYS CHARGES\*

S.NO	PARTICULARS	CHARGE PER SAMPLE (RS)	
		Academic	Industries/R&D'S
29.	Brine Shrimp Toxicity Assay	1000	2000
30.	Brine Shrimp Toxicity along with 3D image	1500	3000
31.	Phytochemical Screening	500	1000
32.	Anti-oxidant Assay	400	500
33.	Electrochemical Study Based Antioxidant activity	500	1000
34.	Preparation of Silver Nanoparticle*	300	500
35.	Preparation of Gold Nanoparticle*	1000	1000
36.	Preparation of rGO*	500	1000
37.	Preparation of Cu Nanoparticles*	600	500
38.	Preparation of Zn Nanoparticles*	500	500
39.	Preparation of Bimetallic Nano*	1500	2000
40.	Preparation of Trimetallic nano*	2000	3000
41.	Contact angle Surface energy calculation (Recorded by outside)	200	500
42.	Preparation of Soap*	500	1000
43.	Preparation of Electrodes*	400	700
44.	Ozonation of Materials/Plant Extracts	100	200
45.	Plasma Treatment of Samples	300	500
46.	Ointment Preparation*	700	1000
47.	Molecular Docking using Hex	500	1000
48.	Water testing(pH, Hardness, Alkalinity, Ca, Mg, Ca Hardness, Mg Hardness, Turbidity, Conductivity, &TDS)	1000	3000
49.	Lovibond Visible spectrophotometer : Nitrite	100	250
	Iron	100	300
	Sulphate	100	300
	Manganese	200	600
	Fluoride	50	200
	Nitrate	150	500
	Phosphate	300	900
	Ammonia	200	500
50.	Colorimetry based qualitative estimation of Elements	Rs.50 to 1000(Depending upon parameters)	
51.	Estimation of pH	50	100
52.	Anti-Ageing assay	2500	4000
53.	Anti-Obesity	2500	4000
54.	Allium cepa toxicity Assay along with image	1000	3000
55.	Anti-Diabetic Assay	2500	4000
56.	HCL Analysis	200	400
57.	Nitrogen quantification	800	1500
58.	Sulphur quantification	Liquid: 250 Solid/Powder: 500	Liquid: 500 Solid/Powder: 1000
59.	Dialysis Assay	Charges Depends on Volume (Rs.200 to 2000)	
60.	Sample extraction	Charges Depends on Method Selection	
	<b>Sample Preparation Charges</b>	Rs.50-200 depending on the analysis	

\*Additional charges applicable for Chemical and Characterization



**Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43**

**PROF.C.N.R RAO RESEARCH CENTRE**

**REQUISITION FOR COURSES/INTERNSHIP/TRAINING**

**Name & Designation/Class** :  
**Department** :  
**Institution and Address** :  
**Email id** :  
**Mobile Number** :  
**User Category** : *Industry/Lab/UG/PG/Project Work/Ph.D/Faculty/Others*  
**Number of Days** :   
**Duration** : *From.....To.....*  
**Accommodation (Female only)** : *Yes/No*  
**Receipt no/Transaction no** :

**Internship/Training**

S.No	PARTICULARS	NO.OF DAYS	CHARGES(RS) (Excluding chemical charges)
1.	<i>Internship</i>	<i>7 to 10</i>	<b>1000</b>
2.	<i>Internship</i>	<i>15</i>	<b>1500</b>
3.	<i>Internship</i>	<i>30days/one month</i>	<b>2000</b>
4.	<i>Project Work</i>	<i>3 months</i>	<b>5000</b>
5.	<i>Project Work</i>	<i>6 months</i>	<b>10000</b>
6.	<i>Project Work</i>	<i>12 months</i>	<b>20000</b>
7.	<i>Summer Training</i>	<i>5 to 30</i>	<b>500 to 5000</b> (Depending upon instruments)

**Courses**

S.NO	COURSE	FEE	CREDIT
	<i>Certificate Course-UG</i>		
1.	<i>Phytochemical Techniques and Assays</i>	<b>1500</b>	<b>2</b>
2.	<i>Advanced Instrumentation and Analytical Methods for Material Science</i>	<b>2000</b>	<b>2</b>
3.	<i>Advanced Organic Skincare Formulation</i>	<b>2000</b>	<b>2</b>
4.	<i>Analytical and Phytochemical Techniques</i>	<b>2000</b>	<b>2</b>
	<i>Professional Certificate Course-PG&amp; Ph.D Scholars</i>		
5.	<i>Phytochemical Techniques and Assays</i>	<b>2000</b>	<b>4</b>
6.	<i>Advanced Instrumentation and Analytical Methods for Material Science</i>	<b>2500</b>	<b>4</b>
7.	<i>Advanced Organic Skincare Formulation</i>	<b>2500</b>	<b>4</b>
8.	<i>Analytical and Phytochemical Techniques</i>	<b>2000</b>	<b>2</b>

**Date:**

*Signature of Student*

*Signature of Guide/HOD with Seal*

**Postal Address:** The Coordinator, Prof CNR Rao Research Centre, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-43

**Note:** Upon request hostel accommodation is available for women at a nominal fee

**Online Payment details:** The Registrar, SBA/C:6059667020(R&C), INDIANBANK, ADUC BRANCH, IFSC: IDIB000A005



**Instructions for sample submission**

- ✓ Kindly submit the sample in proper container, **if solid submit sample in either butter sheet or butter cover or if liquid submit sample in either glass container or Tarson vials**
- ✓ **Improper sample submission will not be considered for analysis**
- ✓ Kindly submit the sample with proper sample code and labeling
- ✓ After making payment, kindly enter the transaction id or receipt number, if sample received through courier kindly share the transaction screenshot along with UPI id
- ✓ **Refund will not be processed**
- ✓ The results will be mailed to the email id given in the form
- ✓ Those who have request for sample return, kindly collect the sample within 5days after getting results

**Postal Address:** The Coordinator, Prof CNR Rao Research Centre,  
Avinashilingam Institute for Home Science and Higher Education for  
Women, Coimbatore-43

**Online Payment details: The Registrar,  
SBA/C:6059667020(R&C),INDIANBANK, ADUC  
BRANCH, IFSC: IDIB000A005**

