

PCSIR LABORATORIES COMPLEX, LAHORE
MONTHLY PROGRESS REPORT

Name of Centre: CENTER FOR ENVIRONMENTAL PROTECTION STUDIES
Month/Year: MARCH 2021

Sr. No.	Achievements/ Activities	No.
1	Process Developed	01
2	Process Leased Out	01 , Rs 25000/-
3	Patent Obtained	--
4	Patent Filed	--
5	MoU Signed	--
6	Students Supervised	14
7	Consultancies Provided	02 , Rs. 115200/-
8	Technical Report	01 Rs.1,16,000/-
9	Paper Published (International)	03
10	Paper Published (National) *	--
11	Analytical Equipment Developed/Production Activities	25 Bottles of Acid HCl transferred to Chemical store
12	Exhibition /Conference/ Seminar Organized	--
13	Workshop /Training Organized	---
14	Commercial Activities (No. of Services Provided/No. of Client Served)	(Services 07, Clients 15, samples 51)
15	Revenue Generated (in Rs)	Total Rs.4,99,700/- Ad hoc Rs.2,68,500/- Consultancy Rs 115200/- Technical Report Rs. 1,16,000/-
16	Visits /Interaction with industries	20/20

*(Papers submitted -08)

1. Patents Filed

Nil

Sr. No.	Title of Patent	Inventors	Application/ Registration Number	Date

2. Patents Registered

Nil

Sr. No.	Title of Patent	Inventors	Registration Number	Date
1		----	----	----

Sr. No.	Title of Publication	Author(s)	Journal	Date
1.	*Reduction of Chromium (VI) From Aqueous Solution Using Modified Bentonite Clay and its Application on Tanneries Wastewater.	Naeem Abbas, Muhammad Irfan, Farah Deeba and Muhammad Tahir.	Under review in Pakistan Journal of Scientific and Industrial Research with Manuscript no: 2868	2021 Revised & submitted
2.	Biodiesel from Kasur Tanneries waste fat and emission test on diesel engine	AmnaNazir, M. Rafiq Khan, Farrukh Hussain, M. Hammad Khan	Arabian Journal of Science and Engineering	Under Review
3.	Identifying the role of process conditions and Bio-reducing agents for controllable synthesis Of stable Gold Nanoparticles and insight detail of reaction mechanism	M. Irfan Amir Shafiq, Farzana Bashir, Umer Siddique, Javed Hessain, Tahir Butt	Journal of Inorganic and Organometallic Polymer and Material ,JOIP-D-20-00538	2021 Revised & submitted
4.	Synthesis and Characterization of Copper (I) Chourido Complexes of Thione	M. Muffakar, Shakeel Ahmad, Muskan Sahar, Hammad Khan	InorganicaChimicaActa	2021 Revised & submitted
5.	A research paper entitled "Risk assessment of facial cosmetic; chemistry and prospective toxicity"	M. Irfan Amir Shafiq, Farzana Bashir, Umer Siddique, Javed Hessain, Tahir Butt	Regulatory Toxicology and Pharmacology dated (Ms. No.RTP-20-465)	Under Review
6.	Efficient utilization of low cost Agro Materials for incorporation of Copper Nanoparticles to scrutinize their Antibacterial properties in drinking water.	M. Irfan Amir Shafiq, Farzana Bashir, Umer Siddique, Javed Hessain, Tahir Butt	Environment and Technology Innovation ETI -2020-245R3	Under Review
7.	1- Your manuscript entitled "A mechanistic approach to evaluate the risk assessment and toxicity of facial cosmetic" publication in the	Authors: Muhammad Irfan, Amir Shafeeq, UmairSiddiq, Farzana Bashir, TausifAhmad, Muhammad Tahir Butt	Journal of Cosmetic Dermatology. Your manuscript ID is JCD-03-2021-325.	March 2021 Submitted

8.	Surface response evaluation of agro-waste for efficient adsorption of phenol from wastewater.	Amara Liaqat, Nadia Jamil, Naeem Abbas, Farah Deeba, M. Irfan, M Tahir Butt.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. 208458084)	December20 Submitted
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3. Paper Published (National Publications) Nil

Sr. No.	Title of Publication	Author(s)	Journal
1.	Phytoremediation Potential of Typha Latifolia and Water Hyacinth for Removal of Heavy Metals from Industrial Wastewater.	M. Tahir Butt, Naeem Abbas, Farah Deeba and Muneeb Ahmad.	Chemistry International 7(2) (2021) 103-111
2.	2- Identifying the role of process conditions for synthesis of stable gold nanoparticles and insight detail of reaction mechanism -	Muhammad Irfan, Muhammad Moniruzzaman, Tausif Ahmad, Mohamad FakhruRidhwan Samsudin, Farzana Bashir, M. Tahir Butt, Hafsa Ashraf	Inorganic and Nano-Metal Chemistry - Published online: 15 Mar 2021 (https://doi.org/10.1080/24701556.2021.1897614)
3.	3- Quantitative Estimation of Biocapped Surface Chemistry Driven Interparticle Interactions and Growth Kinetics of Gold Nanoparticles -	Tausif Ahmad, Mohamad Azmi Bustam, HumbulSuleman, Muhammad Irfan, Jibran Iqbal, Hafiz Muhammad Anwaar Asghar	Journal of Cluster Science - accepted - Online available - https://doi.org/10.1007/s10876-021-01999-5

4. Publications* Submitted 08(International and National Journal)

5. Technical Reports

01

Sr. No.	Client Name	Title	Date/Year
01	M/S Medical Equipment of System 60/61 FCC Syed Mara tab Ali road Lahore	Evaluation of corrosive gases in Ambient Air causing malfunctioning of high tech Instruments at Punjab Institute of Cardiology PIC, Lahore. Scientist involved: Mr. Javed Iqbal, Mr. Tariq, Dr. M Tahir Butt, , Dr. Hammad Khan,	Feb payment 150,000/- and Technical Report was submitted to Client on March 2021

6. MoUs Signed

Nil

Sr. No.	Title	Client Name	
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7. Students Supervised

14

Sr. No.	Name of Students	Program	University Name	Date/Year
1.	Asfa Noor	BSc	Govt. College Gulberg. Lahore	March 2021
2.	Ayesha Amjad	BSc	Govt. College Gulberg. Lahore	March 2021
3.	Ghazala Majeed	MS	University of Lahore	March 2021
4.	Ghazala Nasreen	BS	Govt. College Gulberg. Lahore	March 2021
5.	NimraMehmood	BS	Govt. College Gulberg. Lahore	March 2021
6.	MudassaraMunir	BS	Govt. College Gulberg. Lahore	March 2021
7.	Taimoor Abbas	M SChem	University of Education Lahore	March 2021
8.	Zahid Hussain	M S Chem	University of Education Lahore	March 2021
9.	Khaleeq us Zaman	M S Chem	University of Education Lahore	March 2021
10.	MahamSarfaraz	M Phil	Kinnaird College, Lahore	March 2021
11.	Asia Ilyas	M Phil	Garrison University Lahore,	March 2021
12.	ZainabKhawar	MSc	University of the Punjab	March 2021
13.	Rimsha Mustafa	MSc	University of the Punjab	March 2021
14.	Tayyab	BSc	University of Agriculture Faisalabad	March 2021

8. Processes Developed

01

Sr. No.	Title of Process	Inventors / Developers	Year/ Month	Field/ Industry
1	Development of N apparatus for Wastewater for KT Multan	Mr.Javed Iqbal, Dr Khalid Iqbal Dr M Tahir Butt	March 2021	Environment/ Khawaja Tannery Multan

9. Processes Leased Out

01

Sr. No.	Title of Process	Inventors	Year	Party to whom leased out	Cost. (Rs.)
1.	A Process to overcome the	Mr. Javed Iqbal, Dr Khalid Iqbal	March 2021	Khawaja Tannery ILO no. 467 dated 12-1-2021	Rs.25000/-

	Nitrogen load of Tannery Waste Water	Dr M Tahir Butt			
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10. Consultancy Provided 01

Sr. No.	Title	Client Name	Date/Year	Amount (Rs.)
1.	Consultancy for analysis of waste water.	Defense Housing Authority Lahore	ILO# 402 08 March 2021	Rs 115200/-
2.	“Sustainable, Agricultural & Food Program.” Consultancy for Soil, Water and Air Monitoring	WWF International	In Progress	--

11. Equipment Developed/ Production Nil

Sr. No.	Name	Purpose	Month
1.	25 Bottles of HCl transferred to Chemical store	R&D and testing of samples	March 2021

12. Exhibition/ Conferences/ Seminars Organized Nil

Sr. No.	Title	Brief Details	Date
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13. Trainings Imparted/Organized Nil

Sr. No.	Title	Brief Details	Date
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14. Revenue Generated/Analytical Testing Services Nil

Sr. No.	No. of Services Provided	Amount Earned (Rs.)	Month
1.	(Services 07, Clients 13, samples 27)	TotalRs215500/-	March 2021

15. Details of ClientsList, 2021to whom gave Quotation and received samples.23

1.	Client List March, 2021		
2.	Field Officer	PSQCA	----
3.	Inspecting Officer	PSQCA, Gujranwala Zone	055-3835560
4.	Inspecting Officer	PSQCA, Gujranwala Zone	055-3835560
5.	Chief Operating Officer	ZAFA Pharmaceutical Laboratories Lahore	36807100
6.	Mr. Mohsin Ali	The Lack City, Lahore	0306-4624182
7.	----	Three Stars Hosiery Mills (Pvt) Ltd, 10-A, Industrial Estate, Multan	061-6539229
8.	Dy. General Manager (Admin)	Noon Sugar Mills .Bhalwal (Sargodha)	048-6642411
9.	----	Soft Wood (Pvt.) Ltd, Main Bazar	0337-0448868

		Youhanabad, Lahore	
10.	FareehaAsmat	Waste Water Treatment Plant, Tehsil Pattoki	0314-3103002
11.	Chief Operating Officer	ZafaChemie, Raiwind Manga Bypass Near Sunder Industrial Estate ,Lahore	03334069550
12.	Mohsin Ali	The Lack City Housing, Lahore	0306-4624182
13.	Inspecting Officer	PSQCA, Multan Zone	061-6761390
14.	Inspecting Officer	PSQCA, Multan Zone	061-6761390
15.	Inspecting Officer	PSQCA, Multan Zone	061-6761390
16.	Muhammad Nouman Khalid	PSQCA, Lahore Zone	042-99238796
17.	IqraIshaq	Jinnah Park, Sialkot	0333-8608507
18.	Aqsa Batool	Bunny Ltd, KotLakhat, Lahore	042-111442222
19.	Manager Jawad Hussain	Hamza Sugar Mills, Ltd. Rahim Yar Khan	0300-7910400
20.	Assistant Manager	Masood Textile Mills Ltd, 32-Km Sheikhpura Road, Faisalabad	041-4713501-10
21.	Packages Ltd Lahore Ashraf Awan	Dr M Tahir Butt/ Dr Naeem Abbas	For Purchase of Solvent S
22.	M Abbas Lake City Lahore 03067672077	Dr Khalid Iqbal SSO	HFO oil testing
23.	M Waqas Lake City Lahore	Dr Khalid Iqbal SSO	HFO oil testing

16. Visits/Meetings (Interaction with industries)

23

Sr. No.	Date	Name of Organization where Visited	Name of Scientific /Technical Staff	Purpose
1.	1-3-21	Softwood Pvt. Ltd., Lahore	Head CEPS Dr. Tahir Butt communicated with Organizational representative Qamrosh Hidayat Ali	Quotation sent for Waste Water Testing from ISO-17025 Certified & EPA Approved Lab.
2.	1-3-21	Management Committee, LLC	Head CEPS Dr. M. Tahir Butt attended the meeting	Preparation of future Strategy
3.	6-3-21	Nishat Dairy , Lahore	Head CEPS Dr. M. Tahir Butt communicated to organizational Manager	Quotation sent for analysis of Water, Waste Water, and Air quality and received samples from industry.
4.	6-3-21	Ibrahim Centre, 15- Club Road, Faisalabad.	Head CEPS Dr. Tahir Butt communicated the organizational Manager Amjad Khalid	Quotation sent for analysis of Water, Waste Water, and Air quality and received samples from industry.
5.	8-03-21	Darson Industries (Pvt) Ltd	Head CEPS Dr. Tahir Butt communicated the Muhammad Naeem Ashraf Manager Quality Assurance	Quotations sent Required for Environmental Monitoring As Per PEQS/ NEQS
6.	11-3-21	Management Committee, LLC	Head CEPS Dr. Tahir Butt attended the meeting	Preparation of future Strategy

7.	17-3-21	SAFP, WWF ,Ferozpur Road, Lahore	Dr. Farzana communicated to Organizational representative Mr. Nouman Afzal, Project Officer; Adil Daniel, Coordinator Food	Quotation sent for analysis of Solid Waste, Leachate analysis and received samples from industry and meetings in progress for consultancy given by CEPS.
8.	15-3-21	MZ International ,DHA Lahore	Head CEPS Dr. Tahir Butt and Dr. Naeem communicated the organizational representative Farhan Shabbir	Industry demand for Purchase of Acid Technology.
9.	17-3-21	Director P & D	Head CEPS Dr. Tahir Butt had meeting with Director P & D	Meeting was for Dead stock listand auction .
10.	16-3-21	DG PCSIR LLC, Lahore	Dr. Irfan had a meeting with DG ,LLC ,PCSIR Lahore.	Meeting was for of Smog Tower.
11.	16-3-21	DG ,LLC ,PCSIR Lahoore.	Dr. Irfan had a meeting with DG ,LLC ,PCSIR Lahore.	Discussion was made for Waste Water Treatment Plant
12.	17-3-21	Head MPRC Athar Amin	Dr. Irfan had a meeting with Head MPRC.	Construction of underground irrigation Water Tank
13.	25-2-21	Director P& D	Dr. Irfan had a meeting with Director P & D ,LLC Lahore.	Construction of waste water treatment plant .
14.	9-3-21	Darson Industries (Pvt) Ltd	Head CEPS Dr. Tahir Butt communicated organizational Manager for requirement of Quotation from ISO-17025 Certified & EPD approved lab	Quotation sent for analysis of Waste Water, Drinking Water and Environmental Monitoring .
15.	17-3-21	Bunny s' Limited, 105 Kot Lakh pat Lahore	Mr. Tariq and Mr. Javed visited the Organization.	Visit was for Emission Monitoring and Waste Water Analysis and Sampling was also done
16.	25-3-21	Ayesha Pipes Ltd.	Head CEPS Dr. Tahir Butt communicated the organizational Manager Atif Zulfiqar	Quotation sent for analysis of Water ,Waste Water , Air Emission quality and received samples from industry.
17.	26-3-21	Technical visit for completion of PSF Project	Dr. Khalid had meeting and plant visit	Visit for technical closing of PSF project
18.	26-3-21	DHA Lahore	Mr. Irfan visited for sampling at DHA.	Received samples from DHA Lahore
19.	26-3-21	Masood Textile Mills.	Head CEPS Dr.M. Tahir Butt communicated to organization.	Quotation sent for analysis of Waste Water and received samples from industry.
20.	29-3-21	Next Pharma Pvt Ltd.	Head CEPS Dr. Tahir Butt communicated the organization.	Quotation sent for analysis of Waste Waterand received samples from industry.
21.	30-3.21	Packages Ltd Lahore	Dr M Tahir Butt	For Purchase of Solvent S

22.	30-3-21	M Abbas Lake City Lahore 03067672077	Dr Khalid Iqbal SSO	HFO oil testing
23.	30-3-31	M Waqas Lake City Lahore	Dr Khalid Iqbal SSO	HFO oil testing

Any Other Relevant Information

ISO 17025 Related Activities

- ISO 17025 related activities are in routine practice e.g., Data observation sheets preparation, Measurement Uncertainty, QC chart preparation, calibration of glassware and Equipments , CRM updating etc are continuous activities.
- PT tests Samples received from Qureshi Research International Pvt. Ltd for parameters pH, COD, BOD,TSS, Oil and Grease , Sulphate , Chloride etc